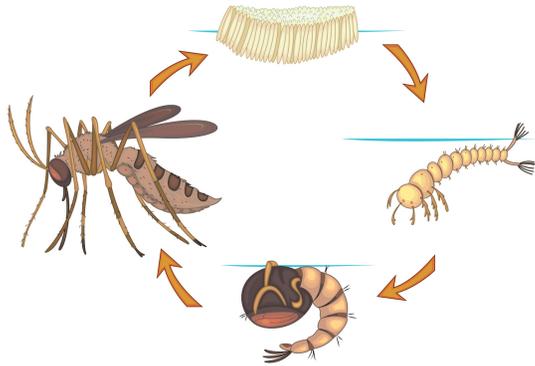




## Mosquito Life Cycle

Mosquitoes are an aquatic insect with a complete metamorphosis involving four life stages: egg, larva, pupa, and adult. Mosquitoes can complete the life cycle, emerging as biting adults, in as little as one week.



## Visit Our Website

Visit our website for valuable resources including brochures, product labels, and to view when a property was last treated.

[www.baycounty-mi.gov/mosquito-control](http://www.baycounty-mi.gov/mosquito-control)

## Repellent

The Centers for Disease Control and Prevention recommends using an EPA-registered insect repellent such as one listed below.



Always read and follow label directions when applying repellent.



## Bay County Mosquito Control

### Contact Us

810 Livingston Street  
Bay City, MI 48708  
989-894-4555



A division of Bay County Environmental Affairs  
and Community Development

# Bay County Mosquito Control

*A community-wide mosquito control program protecting public health and enhancing quality of life*





Bay County Mosquito Control follows an Integrated Mosquito Management (IMM) approach.

IMM combines multiple effective and efficient methods to reduce mosquito threats while ensuring environmental stewardship.

Primary Activities



## Protect Public Health

Mosquito-transmitted diseases such as West Nile Virus, St. Louis encephalitis, Eastern Equine encephalitis, and Jamestown Canyon Virus, are monitored in Bay County by collecting and testing adult mosquitoes.

Birds can also be infected by West Nile Virus through the bite of an infected mosquito. Mosquito Control tests dead crows and blue jays to monitor for this virus in Bay County.

# Integrated Mosquito Management

## Mosquito Surveillance

Mosquito Control uses several collection methods to determine the abundance, location, and species of both immature stages and adult mosquitoes before any control is conducted. Larvae are monitored using a dipper to sample water before treatment. Traps are used to monitor adult mosquito populations countywide.



## Education

Educating homeowners, students, and community service groups about the mosquito life cycle and ways to eliminate backyard mosquito breeding habitats is vital. Staff also share strategies to protect residents from potential disease-carrying or nuisance mosquitoes. We strive to make advancements and improvements to protect public health in our practice of responsible mosquito control.



## Source Reduction

Source reduction is the removal of mosquito breeding sources from the environment. It can be as simple as dumping water from containers or participating in scrap tire drives.

## Larval Control

State-certified technicians inspect a wide variety of habitats including ponds, flooded fields and woodlots, drains, ditches, and catch basins for mosquito larvae. When source reduction is not possible, bacterial products are the preferred choice in controlling larvae.



## Adult Mosquito Control

Mosquito fogging is performed by technicians certified by the State of Michigan in pesticide application regulations. Truck-mounted spray units are sent to areas where there is evidence of elevated mosquito populations or disease presence. Ultra-low volumes (1-2 ounces per acre) of control material are dispensed. Visit our website to see estimated treatment dates in your neighborhood.