



January/February 2016

What is Zika Virus?

Zika is an infectious disease most often transmitted to people through the bite of an infected mosquito.

What are the Symptoms?

Symptoms include: Muscle or joint pain, rash, vomiting, headache (especially behind eyes), and conjunctivitis.

Not all persons infected will become ill. Symptoms usually begin 2 to 7 days after being infected by the mosquito. You should see a doctor if you believe you have been exposed to ZIKA.

Once a person is infected, there is a period of 7 - 10 days where an Aedes mosquito can acquire the virus from them.

Am I at risk?

Currently, the risk of ZIKA in our area is low. There have been no recorded cases of a mosquito transmitting Zika on the lower East Coast & Gulf Coast region.

Travelers visiting areas of the world where Zika virus is active should guard themselves from being bit by a mosquito. Currently, these areas include parts of Africa, Southeast Asia, the Pacific Islands, Carriibbean, Central and South America.

Visit cdc.gov/travel for country specific travel information and recommendations.

COMMON MOSQUITO-BORNE HEATH THREATS IN GEORGIA & GULF COAST

- West Nile Virus (WNV)
- St. Louis Encephalitis (SLE)
- Eastern Equine Encephalitis (EEE)
- Dog Heartworm

EMERGING THREATS TO OUR REGION

- Chikungunya
- Dengue
- Zika Virus

Where can I get more information on ZIKA & other disease threats?

Visit cdc.gov/zika to learn where ZIKA is prevelant and get up to date information on new developments.

Visit dhp.georgia.gov/zika-virus to get current information on Georgia health concerns including Zika, West Nile, and other viruses & health threats.

Visit us at mosquitocs.com

WHAT'S INSIDE:

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Know your targets & Aim for these *Disease Carriers!*



Southern House Mosquito *Culex quinquefasciatus*



St. Louis Encephalitis, likely Dog Heartworm

- ✦ Bites during the evening hours and dawn.
- ✦ Common in Louisiana, and the Gulf Coast
- ✦ Transmits West Nile,

Asian Tiger Mosquito *Aedes albopictus*



Virus, Dog Heartworm, Dengue, and believed to transmit Chikungunya & Zika

- ✦ Bites during the daytime, dusk, and dawn.
- ✦ Common in Louisiana, and the Gulf Coast
- ✦ Transmits West Nile

Yellow Fever Mosquito *Aedes aegypti*



Chikungunya, Yellow Fever, Zika

- ✦ Bites during the daytime, dusk, and dawn.
- ✦ Less common in Louisiana, and Gulf Coast
- ✦ Transmits Dengue,

CONTROL MOSQUITOES AROUND YOUR HOME

People can become infected when bitten by an infected mosquito. Eliminating mosquito breeding areas around your property will lower your risk of infection.

Eliminate any standing water around your property

Once a week, empty, turn over, cover, or throw out items that hold water, such as tires, buckets, planters, toys, pools, birdbaths, flowerpots, or trash containers.

Tightly cover water storage containers (buckets, cisterns, rain barrels) so that mosquitoes cannot get inside to lay eggs.

For containers without lids, use wire mesh with holes smaller than an adult mosquito.

If you have a septic tank, follow these steps:

Repair cracks or gaps

Cover open vent or plumbing pipes. Use wire mesh with holes smaller than an adult mosquito.

Keep mosquitoes out of your home:

Use screens on windows and doors

Repair holes in screens

Prevent mosquito bites:

Wear long sleeves and pants

Use an EPA-registered insect repellent with one of the following active ingredients:

Deet Picaridin Oil of lemon eucalyptus

Always follow the product label instructions

Visit mosquitoes.com for more tips and downloadable instructional pamphlets as well as other educational materials.

Mosquito Control Services Virus Response

Disease Surveillance

We distribute different surveillance traps throughout the parish and inspect them multiple times each week.

Collected samples of mosquitoes are species and catalogued. Each trap is analyzed for target vector mosquitoes. Those vector mosquitoes are then packaged and sent to a State Laboratory for testing.

When a sample of mosquitoes is confirmed to contain mosquitoes positive for virus or a human is identified in an area, a response protocol is initiated involving elevated control efforts (including a higher frequency of spray applications).

Notification

Residents in the area of a confirmed positive sample or human case will be informed through the distribution of door hangers and informational pamphlets.



MOSQUITO CONTROL SERVICES

INSPECTION AND MAPPING

The solution to mosquito troubles begins by defining the problem.

Mosquito Control Services, LLC, locates, maps, and categorizes important mosquito breeding sites, gathers rainfall information, monitors adult mosquito activity and operates a 24-hour toll-free hotline for public mosquito reports.

Data are collected year-round and are computer-plotted to direct equipment and personnel for precise site-specific control.

**Mosquito Control Services
of Georgia
(912) 217-6300**



CONTROL OF LARVAL INSECTS

After the immature mosquitoes (larvae) are located in their water habitats, crews work to suppress their ability to become adults.

Bio-chemical sprays containing bacteria or insect growth-regulating hormones are used to address the larvae.

If the location is suitable, Mosquito Control Services, LLC will transport mosquito fish to the breeding site. The fish then feed on mosquito larvae, providing a natural biological solution to the problem. These mosquito fish are provided to homeowners free of charge for use in private ponds, fountains and ornamental pools.

SPRAY FREQUENCY AND LOCATION

Areas are prioritized due to need and sprayed accordingly with the addition of some general maintenance spraying from time to time.

Frequency of the truck spray operation varies depending on mosquito population as determined by data.

Aerial applications are used when salt marsh or floodwater mosquito population reaches critical levels as determined by surveillance data, or to supplement ground control efforts.

Infestation, surveillance, abatement, encephalitis monitoring, testing and site inspections generally occur during the daytime hours.

Spraying via trucks and aircraft begin at dusk and continues for about 2-3 hours.

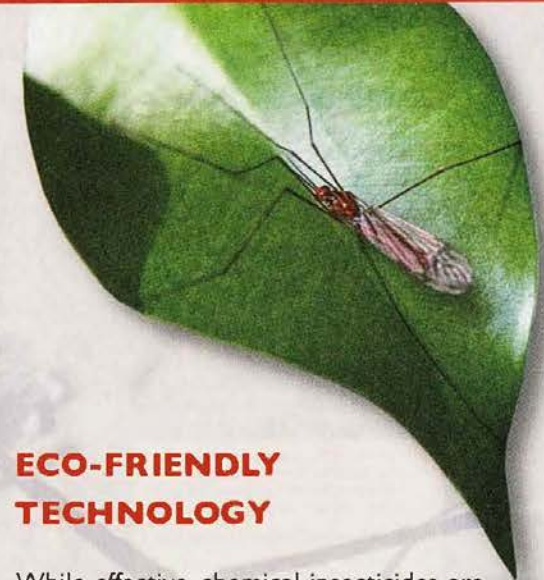
ECO-FRIENDLY TECHNOLOGY

While effective, chemical insecticides are not always the best solution. That's why the contractor opts for nature's technology whenever possible.

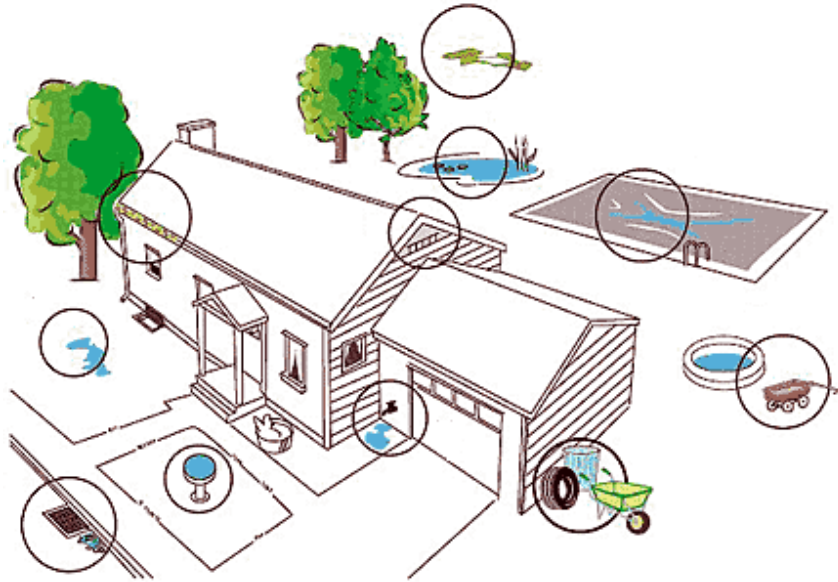
Many of the sprays contain bacteria or insect growth-regulating hormones that have little or no effect on the environment and non-targeted organisms.

Routine rotation of the control methods used helps reduce the possibility of the target insect population building a tolerance to the control methods and lessens the impact on the environment.

Regardless of the control product used, biologists routinely perform laboratory and field tests to evaluate effectiveness and potential for the product to contribute to resistance by the insect.



Mosquito Control is a Team Effort



- Eliminate Breeding Sites around the home
- Repair Torn Screens or Fix Windows and Doors
- Use Repellant / Protective Clothing
- Avoid Areas/Times when Mosquitoes are Most Active

