

# Wide Area Larvicide Spraying (WALS) In Order to Control *Aedes aegypti* Mosquitoes

The female *Aedes aegypti* carries diseases like Zika, dengue and chikungunya.



The female places her eggs in water-holding containers with stagnant water inside or outside homes or buildings.



When the mosquito eggs come in contact with water, larvae hatch.



Larvae feed and turn into pupae after about 5 days.



The pupae do not feed, it only breathes underwater and turns into a flying adult mosquito within 2-3 days.

It takes 7 to 10 days for a mosquito egg to develop into an adult mosquito.

We have found that common used insecticides in Puerto Rico have lost their effectiveness in killing adult *Aedes aegypti* mosquitoes.

It is important to consider alternative control methods, such as the application of larvicide at large scale, using a pick-up or truck.

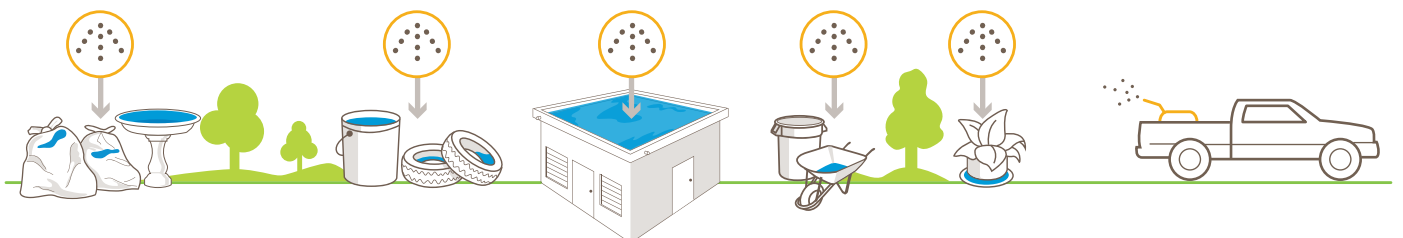


This method has been used since 2016 in the United States. Successfully attached to kill larvae of the *Aedes aegypti* mosquito, preventing it from become adult mosquitoes.

Contains the active ingredient called *Bacillus thuringiensis israelensis* (Bti). Bti is a bacterium found naturally in the soil and kills the mosquito larvae.



Liquid larvicide is sprayed from a truck onto houses, vegetation, vacant lots, and other places. In this way, it can be effective in treating most of the places where they are the larvae.



This product is not harmful to humans, pets or the environment.

# How can you help?

Please, educate neighbors on this mosquito problem and how important it is to avoid breeding sites at home and in the community.



Use repellent to avoid mosquito bites.



## ELIMINATES mosquito breeding sites



### EMPTY

containers with stagnant water



### BRUSH

the walls of the container to destroy mosquito eggs



### COVER

and seal with a lid or screens anything that can hold water around your home



### THROW AWAY

recycle or eliminate anything that can hold water.

## Visit your doctor if you have dengue symptoms:



Fever or chills



Headache



Body aches



Joint pain



Rash



Pain behind the eyes



Nausea or vomiting



Muscle aches

[www.prvectorcontrol.org](http://www.prvectorcontrol.org)

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For more information on larvicides visit:



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