



## Targeted Aerial Application of Mosquito Larvicide Over Great Swamp in South Kingstown and Chapman Swamp in Westerly

PROVIDENCE, RI - The Rhode Island Department of Environmental Management (DEM) is announcing that a licensed contractor, North Fork Helicopters, will conduct an aerial application of mosquito larvicide across 3,000 acres of Chapman Swamp in Westerly and Great Swamp in South Kingstown beginning Thursday, Aug. 29 through Friday, Aug. 30, weather permitting. The application, which consists of pellets that kill mosquito larvae being dropped by a helicopter into the targeted wetlands, will take place between 7 AM and 7 PM. The larvicide applications will not target open bodies of water, and treatment areas do not include Worden Pond in South Kingstown or Chapman Pond in Westerly. In the event of inclement weather, a rain date will be announced. The larvicide used, known as [Bti \[pvxtjxbbbb.cc.rs6.net\]](#), [\[pvxtjxbbbb.cc.rs6.net\]](#) does not pose a risk to humans or the environment.

Larviciding is recommended as part of the state's [action p \[pvxtjxbbbb.cc.rs6.net\]](#) [\[pvxtjxbbbb.cc.rs6.net\]](#) to control [West \[pvxtjxbbbb.cc.rs6.net\]](#) Nile Virus [\[pvxtjxbbbb.cc.rs6.net\]](#) (WNV) and [Eastern Equine Encephalitis \(EEE\) Virus \[pvxtjxbbbb.cc.rs6.net\]](#) and is considered an effective strategy to reduce mosquito populations and related disease risk. [In the most recent weekly RI Mosquito Report \[pvxtjxbbbb.cc.rs6.net\]](#) state officials reaffirmed that the high amount of EEE virus activity in Washington County indicates a significant risk in the area and an elevated risk level throughout Rhode Island.

[Bti \[pvxtjxbbbb.cc.rs6.net\]](#), a naturally occurring bacterium applied in granular form to control mosquito breeding in swamps and other breeding habitats. It is applied to standing water where developing larvae are found. Bti is an environmentally friendly product whose toxins specifically affect the larvae of only mosquitoes, black flies, and fungus gnats and do not pose a risk to human health. These toxins do not affect other types of insects including honeybees. It is approved for pest control in organic farming operations. Aerial application of larvicide is one of the most effective tools to reduce the number of biting mosquitoes by preventing the larval stage from maturing into adults. The Town of Westerly [conducted an aerial application of Bti on Chapman Swamp in April \[pvxtjxbbbb.cc.rs6.net\]](#), as part of an annual application conducted by the Town since 1997 to help control mosquito breeding, given the area's remote location and large footprint.

During the application period, all DEM access points within Great Swamp Management Area will be closed and DEM recommends avoiding the area. The [Great Swamp Shooting Range \[pvxtjxbbbb.cc.rs6.net\]](#) (GSSR) will be closed on Thursday, Aug. 29, and Friday, Aug. 30, with normal operations resuming on Saturday, Aug. 31. The town of South Kingstown will close a

portion of the William C. O'Neill (South County) Bike Path which runs through the treatment area, from Ministerial Road to the Kingston Train Station, during the application period.

Last week, DEM, the Rhode Island Department of Health (RIDOH) and the Mosquito Borne Disease Advisory Group (MDAG) [recommended that schools, organizations, and communities consider “smart scheduling” \[pvxtjxbbb.cc.rs6.net\]](#) of outdoor activities scheduled during early morning or dusk hours be rescheduled to earlier in the afternoon or relocated to an indoor venue. The “smart scheduling” of events is intended to help minimize the risk of mosquito bites for players, coaches, and spectators.

Personal protection is the first line of defense against mosquitoes that may carry diseases and the most effective way to avoid infection. Rhode Islanders should take the following measures to protect themselves from mosquito bites:

- Put screens on windows and doors. Fix screens that are loose or have holes.
- Consider rescheduling outdoor activities that occur during the evening or early morning at sunrise and sundown (when mosquitoes carrying the EEE virus are most active). If you must be outside, wear long-sleeved shirts and pants and use bug spray.
- Use [EPA-approved bug spray \[pvxtjxbbb.cc.rs6.net\]](#) with one of the following active ingredients: [DEET \[pvxtjxbbb.cc.rs6.net\]](#) (20-30% strength), picaridin, IR3535, and oil of lemon eucalyptus or paramenthane. Always read the label and follow all directions and precautions.
- Do not use bug spray with DEET on infants under two months of age. Check the product label to find the concentration of DEET in a product. The American Academy of Pediatrics recommends that repellents contain no more than 30% DEET when used on children. Children should be careful not to rub their eyes after bug spray has been applied on their skin. Wash children’s hands with soap and water to remove any bug spray when they return indoors.
- Put mosquito netting over playpens and baby carriages.

For additional mosquito prevention tips, videos, and local data from RIDOH, visit [health.ri.gov/mosquito \[pvxtjxbbb.cc.rs6.net\]](#).

For more information on DEM programs and initiatives, visit [www.dem.ri.gov \[pvxtjxbbb.cc.rs6.net\]](#). Follow [DEM on Facebook \[pvxtjxbbb.cc.rs6.net\]](#), Twitter (@RhodeIslandDEM), or Instagram (@rhodeisland.dem) for timely updates. [Sign up here](#)

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