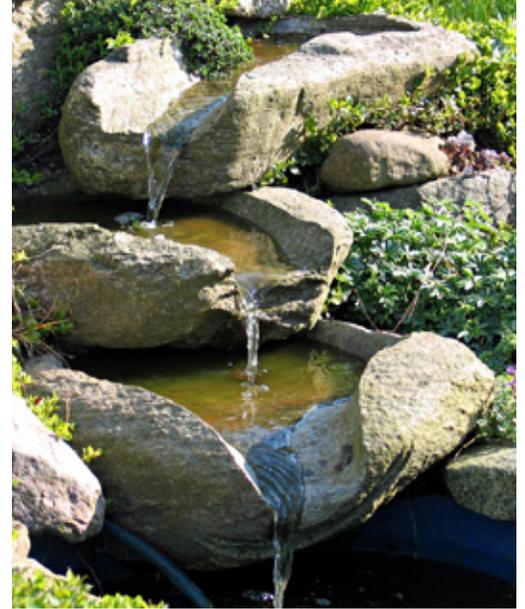


NATIONAL ORGANIC PROGRAM COMPLIANT MOSQUITO LARVICIDE - Bti

OUR RECOMMENDED PROGRAM

Pure Solutions' microbial larvicide (Bti) application is a supplemental add-on service to a routine PROGAEA™ Mosquito Program by providing a proactive level of control on properties with standing water. Applied strategically by our trained Field Specialists, Bti will help prevent mosquitoes from breeding new generations on or near your property. One Bti treatment remains active throughout the water column for approximately three weeks.



DID YOU KNOW...

One female mosquito can lay anywhere between 100 to 300 eggs at one time, in her lifetime she can lay between 1,000 and 3,000 eggs.



SEASON LENGTH...

Active when temperatures are above 50 degrees on average. Early fall is when mosquito-borne diseases are most often transmitted.

WHAT IS Bti?

Pure Solutions' microbial larvicide treatment kills mosquito larvae before they become adults by using the naturally occurring bacterium *Bacillus sphaericus* (Bsph) and *Bacillus thuringiensis israelensis* (Bti). These active ingredients are found in soil and contain protein crystals that when ingested rupture the gut wall of the larvae causing larval death. It is important to prevent the larvae from becoming adult mosquitoes in order to control the population season-long.

WHERE IS Bti APPLIED?

Bti may be applied to bodies of water where mosquito larvae live. Since mosquitoes generally prefer to breed in standing water, typical locations where Bti may be used include stormwater retention ponds, catch basins and shallow areas of wetlands and lakes that have been identified as a problem source of mosquitoes. Bti does not need to be applied to constantly moving water such as rivers and streams.

IS Bti HARMFUL TO THE ENVIRONMENT?

Due to the low toxicity on non-target species, Bti is the preferred method for mosquito larvae control. Pure Solutions' Bti is OMRI listed, which means it is approved for application on and around organic crops while also nontoxic to mammals, birds, and aquatic life. Bti breaks down quickly in the environment and needs to be reapplied regularly to obtain adequate mosquito control.

Mosquitoes need water to reproduce. Some breeds prefer stagnant swamp water, drainage ditches, and garden ponds, while others choose pockets of water in old tires, tree trunks, and gutters. A routine Bti program will reduce mosquito breeding on your property and help maintain control throughout the season. In addition, finding and eliminating breeding sites such as old tires, tree trunks, and clogged gutter will also help reduce and control the population.

Learn more at puresolutions.com

CONTACT INFORMATION

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