

## Abate®

This sheet answers some basic questions about a mosquito control product in use in Essex County. Essex County Mosquito Control, along with several other resources (listed at the end of this sheet), can provide more detailed information.

### What is Abate® and how is it used?

**Abate®** is a larvacide that is used to prevent mosquito larvae from molting into the adult stage. **Abate®** contains the active ingredient of **temephos**, which is an organophosphate chemical toxic to mosquito larvae on contact or ingestion. The product inhibits chemical pathways in the larval mosquito, causing hyperactivity and larval death. **Abate®** is recommended for mosquito control in New Jersey by the Agricultural Experiment Station of Rutgers University. The U.S. Environmental Protection Agency's (EPA) current evaluation considers **temephos**- containing products to be slightly toxic with minimal potential risk to people when used properly as part of a complete mosquito control program.

**Abate®** is applied to water to prevent mosquitoes from emerging in lakes, ponds and other aquatic habitats. Since the product specifically targets mosquito larvae, it has minimal effect on other organisms. **Abate®** is a part of a mosquito management approach using habitat management and other measures to control immature mosquitoes in order to lessen the need to spray for adult mosquitoes.

### How can I avoid exposure to Abate®?

Risk to the general public from the use of **Abate®** is minimal. Avoiding exposure is always the safest course of action, particularly for populations that may be at higher risk such as pregnant women, children, the elderly and those with chronic illness. Any possible exposure risk can be reduced by following some common sense actions:

- Plan your activities to limit time spent outside during times of possible pesticide treatments.
- Avoid direct contact with water bodies that have been treated.
- Move children's toys out of application areas.
- Move animals and their food and water dishes out of application areas.
- Stay away from application equipment, whether in use or not.

### What are the symptoms of exposure to Abate®?

Temephos is not a skin irritant or a sensitizer. The chance of experiencing symptoms of exposure with proper use is very low. You should contact your physician, other medical providers or the New Jersey Poison Information and Education System (**NJPIES**) at **1-800-222-1222** if you experience these symptoms following a pesticide spraying. Bring this sheet with you if you visit a physician or other medical provider.

### Where can I get more information on Abate®?

The following are resources for more information regarding **Abate®** and mosquito control in your area (unless otherwise noted, available during normal business hours):

For overall pesticide-specific information – 9:30am to 7:30pm:

**National Pesticide Information Center**

**800-858-7378**

<http://npic.orst.edu>

For pesticide health information & possible exposures – 24 hours:

**New Jersey Poison Information & Education System**

**800-222-1222**

<http://www.njpies.org>

For New Jersey pesticide regulation & misuse complaints:

**NJDEP Pesticide Control Program**

**609-984-6507**

<http://www.state.nj.us/dep/enforcement/pcp/>

For Federal pesticide regulations:

**USEPA Region 2 Office of Pesticide Programs**

**732-321-6759**

<http://www.epa.gov/eftpages/pesticides.html>

For state-wide mosquito control information:

**NJDEP Office of Mosquito Control Coordination**

**609-292-3649**

<http://www.state.nj.us/dep/mosquito>

For local mosquito control information:

**Essex County Mosquito Control**

**973-239-3366 x2480**

<http://www.essex-countynj.org/index.php?section=dept/mo>

For mosquito control recommendations:

**Rutgers University, Department of Entomology**

**732-932-9437**

<http://www-rci.rutgers.edu/~insects/>

For general information on the pesticide temephos:

**Extension Toxicology Network:**

<http://npic.orst.edu/npicfact.htm>

**EPA:**

<http://www.epa.gov/pesticides/health/mosquitoes/larvicides4mosquitoes.htm#temephos>

**Wellmark International (Manufacturer):**

<http://wellmarkinternational.com/mosquito.htm>

<http://www.Abate.com>

**Clarke Mosquito Control Products (Distributor):**

<http://www.cmosquito.com/cmcp/default.asp>