



# Maryland Department of Agriculture

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Office of Plant Industries and Pest Management

**Martin O'Malley**, Governor  
**Anthony G. Brown**, Lt. Governor  
**Roger L. Richardson**, Secretary  
**Earl F. Hance**, Deputy Secretary

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410.841.5914 Fax  
800.492.5590 Toll Free

## Mosquito Control Section

Season 2009

Dear Community Association Officer:

Your community participated in the 2008 adult mosquito surveillance and control program offered by the Maryland Department of Agriculture, Mosquito Control Section. This letter is to extend that same opportunity for the 2009 season. The amount of service provided will depend on renewal of funding sources. If you are no longer the representative for your community, please forward this to the appropriated individual, or contact us immediately.

This year your application must be received by **May 15, 2009**, your space in the program cannot be guaranteed beyond May 15 and may be offered to a community on the wait list. Please be advised that this application is for adult mosquito control service only, an application is not necessary for larval surveillance and control.

Program information can be found on the enclosed sheet entitled **Standard Mosquito Control Operating Procedures**. More specific information including an assigned spray night of the week will be forward after applications have been returned. **It is the responsibility of the city/town or community association** to make available to all residents information regarding mosquito control activities, policies and spray schedules. Residents that wish to have their property excluded from adult mosquito control services must notify the Maryland Department of Agriculture by submitting a completed exemption form. The Departments policy on objection to adult mosquito control services and the exemption form are enclosed, and is also on our website [www.mda.state.md.us/plants-pests/mosquito\\_control/mosquito\\_control\\_policy.php](http://www.mda.state.md.us/plants-pests/mosquito_control/mosquito_control_policy.php)

Please note that ULV spray treatment of adult tiger mosquitoes is most effective when conducted in conjunction with community cleanup efforts. The effective way to control mosquitoes in your neighborhood is at the community level. We encourage home owners and communities to be proactive in their efforts to control mosquitoes by becoming aware of backyard breeding sites.

Due to the number of participating communities e-mail is the suggested method of contact, however e-mail access is not required. If you have any further questions or concerns, or would like us to meet with you and your community members, please feel free to call or e-mail me. For additional information on mosquitoes, mosquito-borne diseases, insecticides, and tips to reduce mosquito breeding areas in your yard please visit our website; [www.mda.state.md.us/plants-pests/mosquito\\_control/](http://www.mda.state.md.us/plants-pests/mosquito_control/) I look forward to working with you and the members of your community association this season.

Sincerely,

Katie A. Brewer  
Mosquito Control Section  
Phone: 410-841-5870; Fax: 410-841-5734  
[BrewerKA@mda.state.md.us](mailto:BrewerKA@mda.state.md.us)

cc: Michael A Cantwell, Program Manager

## STANDARD MOSQUITO CONTROL OPERATING PROCEDURES- 2009

The Anne Arundel County & City of Annapolis Mosquito Control Program is conducted by the Mosquito Control Section of the Maryland Department of Agriculture, located in Annapolis, under cooperative agreement with the County and City Governments.

The following services will be conducted in the indicated time frames:

**County-wide Surveillance and Control of Larval Mosquitoes: March - October**

**Regular Surveillance and Control of Adult Mosquitoes: Starting June 1, 2009-September**

### OPERATING PROCEDURES FOR SPRAYING OF ADULTICIDES/LARVICIDES

- Spraying for adult mosquitoes will be **done only if a Maryland Department of Agriculture Inspector determines it is necessary.**

#### Nuisance Abatement Thresholds for Ground Based ULV Treatments:

Landing Counts: 3 mosquitoes in a 2 minute count  
Light Trap Collections: 12 female mosquitoes in an unbaited light trap  
24 female mosquitoes in a baited light trap

- **SPRAY/APPLICATION SCHEDULE FOR LARVICIDES/ADULTICIDES:**

**Larvicides** (Treatment for mosquito larvae)  
Monday - Friday

**Adulticide** (Treatment for adult mosquitoes)  
Sunday-Thursday (A night of the week will be assigned to your community)  
After 7:30 p.m.

Spraying **will not be conducted** during rain, in wind speeds exceeding 12 MPH, or temperatures above 89°F.

- **LARVICIDES/ADULTICIDES TO BE USED:**

#### Larvicide

#### Formulations

##### Bacterial Larvicides:

VectoBac and Aquabac:  
*Bacillus thuringiensis var. israelensis*  
VectoLex:  
*Bacillus sphaericus*

Liquid, Granular  
Liquid, Granular

##### Insect growth regulator:

Altosid (Methoprene)

Liquid, Charcoal Briquet or Pellets

#### Adulticide

#### Formulation

Biomist 30+30:  
Permethrin mixed with Piperonyl Butoxide  
and Mineral Oil

Aerosol  
0.0036 lbs/acre (Ultra Low Volume application)

- The **Mosquito Control Program does not spray for Midges** that swarm on homes, boats, trees and shrubs along many Anne Arundel County creeks and rivers. These non-biting insects develop in mud bottoms of slow moving water ways of low dissolved oxygen and will decline in numbers within a few weeks after they first appear.
- **Program Supervisor**  
**Katie Brewer, Agricultural Inspector**  
**BrewerKA@mda.state.md.us**  
**Phone: (410) 841-5870, Fax: (410) 841-5734**  
**Monday – Friday, 8.30 a.m. - 4.00 p.m.**

For more information, insecticide MSDS and labels, please visit our web site at:  
[www.mda.state.md.us/plants-pests/mosquito\\_control/](http://www.mda.state.md.us/plants-pests/mosquito_control/)

**COMMUNITY APPLICATION FOR ADULT MOSQUITO CONTROL**  
**Located in Anne Arundel County -Season 2009**

The community of \_\_\_\_\_, located in Anne Arundel County, applies to be included in the cooperative mosquito control program for the 2009 season. **The undersigned community representative agrees to contact all community members, notifying them of the community's participation in the mosquito control program, The Standard Mosquito Control Operating Procedures, The Policy on Objection to Adult Mosquito Control Services, and the night of the week they may be sprayed.** The community will provide a copy of the exemption policy and form to those desiring to be excluded from the ULV spray program. The community agrees to allow access by MDA personnel to conduct mosquito control activities<sup>1</sup>. The community agrees to assist mosquito control efforts by promoting good land use planning and community clean-ups to reduce areas of stagnant water that provide habitat for larval mosquitoes.

**MDA Representative**

Katie A. Brewer  
Maryland Department of Agriculture  
50 Harry S. Truman Parkway  
Annapolis, MD 21401  
Phone: 410-841-5870  
BrewerKA@mda.state.md.us

**Community Representative**

Name: \_\_\_\_\_  
Street: \_\_\_\_\_  
City: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Phone: \_\_\_\_\_  
E-mail: \_\_\_\_\_

\_\_\_\_\_  
Signature (MDA Representative)

\_\_\_\_\_  
Signature (Community Representative)  
I have read and understand the Standard Mosquito Control Operating Procedures and the Adult Mosquito Control Objection Policy. I will inform all residents of these policies.

Please Choose One:

- A map of your community on which the boundaries and all roads to be included in the spray program have been clearly marked is attached.
- A community map is on file with the mosquito control office from the **2008** season and the community boundaries have not changed.

Please mail your application as soon as possible to:

Maryland Department of Agriculture  
Mosquito Control Section  
50 Harry S Truman Parkway  
Annapolis, Maryland 21401

\_\_\_\_\_  
<sup>1</sup>For information on mosquito control activities please refer to the attached "Standard Mosquito Control Operating Procedures" or visit our website [www.mda.state.md.us/plants-pests/mosquito\\_control](http://www.mda.state.md.us/plants-pests/mosquito_control)

**MUTUAL EXCLUSION CLAUSE:** This agreement can be ended by either MDA or the above named community at any time.