



# Maryland Department of Agriculture

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Office of Plant Industries and Pest Management

**Martin O'Malley**, Governor  
**Anthony G. Brown**, Lt. Governor  
**Earl F. Hance**, Secretary  
**Mary Ellen Setting**, Deputy Secretary

The Wayne A. Cawley, Jr. Building  
50 Harry S. Truman Parkway  
Annapolis, Maryland 21401  
Internet: [www.mda.state.md.us](http://www.mda.state.md.us)

410.841.5700 Baltimore/Washington  
301.261.8106 Washington, D.C.  
410.841.5914 Fax  
800.492.5590 Toll Free

Section

Season 2014

Dear Community Association Officer:

Your community participated in the 2013 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 2014 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 appropriate individual, or contact us immediately.

This year your application must be postmarked by **May 16, 2014**. Your space in the program cannot be guaranteed beyond May 16 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 forwarded 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. In order to keep our records up to date, please include a new map if there are any changes to your community's requested spray area. If you are including a new map, please read the attached directions for details on proper map creation.

Residents who 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 Department's policy on objection to adult mosquito control services and the exemption form are enclosed and can also be found on our website at <http://mda.maryland.gov/plants-pests/Documents/mcsprayexemption.pdf>

Please note that ULV spray treatment of adult tiger mosquitoes is most effective when conducted in conjunction with community cleanup efforts. The most 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 preferred 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; [http://mda.maryland.gov/plants-pests/Pages/mosquito\\_control.aspx](http://mda.maryland.gov/plants-pests/Pages/mosquito_control.aspx). I look forward to working with you and the members of your community association this season.

Sincerely,

Anthony DeWitt

cc: Michael A Cantwell, Program Manager

## STANDARD MOSQUITO CONTROL OPERATING PROCEDURES- 2014

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.

### OPERATING PROCEDURES FOR SPRAYING OF ADULTICIDES (Treatment for adult mosquitoes):

- **Regular Surveillance and Control of Adult Mosquitoes: June 1, 2014- September 2014**  
Sunday-Thursday (A night of the week will be assigned to your community)  
Anytime between 7:30p.m.- 2:00 a.m.
- Spraying for adult mosquitoes will be done only if a Maryland Department of Agriculture Inspector determines it is necessary.
  - Spraying will not be conducted during rain, in wind speeds exceeding 12 MPH, or temperatures above 89°F.
  - **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
    - Conditions that threaten public health, such as mosquito borne disease
- | Adulticide  | Formulation                                    |
|---|--|
| <u>Permanone 30+30:</u><br>Permethrin mixed with Piperonyl Butoxide and Mineral Oil | 0.0029 lbs/acre (Ultra Low Volume application) |

### OPERATING PROCEDURES FOR SPRAYING OF LARVICIDES (Treatment for mosquito larvae):

- **County-wide Surveillance and Control of Larval Mosquitoes: April - October**  
Monday – Friday, 8:00 AM -4:30 PM
- **LARVICIDES TO BE USED:**

Larvicide	Formulations
<u>Bacterial Larvicides:</u>	
VectoBac and Aquabac: <i>Bacillus thuringiensis var. israelensis</i>	Liquid, Granular
Vectolex: <i>Bacillus sphaericus</i>	Liquid, Granular
<u>Insect growth regulator:</u>	
Altosid (Methoprene)	Liquid, Charcoal Briquet, or Pellets
- 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**  
Anthony DeWitt, Agricultural Inspector  
Anthony.dewitt@maryland.gov  
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 website at: