



Maryland Department of Agriculture

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Office of Plant Industries and Pest Management

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Anthony G. Brown, Lt. Governor

Earl F. Hance, Secretary

Mary Ellen Setting, Deputy Secretary

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Mosquito Control Section

Season 2011

Dear Community Association Officer:

Your community participated in the 2010 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 2011 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 postmarked by **May 14, 2011**, your space in the program cannot be guaranteed beyond May 14 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. In order to update our records and further ensure accuracy; this year all communities will be required to submit a new map of their community with their application. Please read the directions on the attached sheet for details.

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 at www.mda.state.md.us/pdf/mcsprayexemption.pdf

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/ I look forward to working with you and the members of your community association this season.

Sincerely,

Katie A. Brewer

cc: Michael A Cantwell, Program Manager

STANDARD MOSQUITO CONTROL OPERATING PROCEDURES- 2011

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, 2011- September 2011**
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>Biomist 30+30:</u>
Permethrin mixed with Piperonyl Butoxide and Mineral Oil | 0.0031 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**
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/

COMMUNITY APPLICATION FOR ADULT MOSQUITO CONTROL
Located in Anne Arundel County -Season 2011

The community of _____, located in Anne Arundel County, applies to be included in the cooperative mosquito control program for the 2011 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 activities¹. 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.

Provide a Map:

This application will not be accepted unless a clear map is provided to the Maryland Department of Agriculture. Map specifications may be found on the attached sheet.

Please mail your application as soon as possible to:

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

¹For 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

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

Community Map Directions 2011

In order to ensure accuracy in the adult mosquito control program, you must submit a clear map. If you do not submit a suitable map you will be contacted and need to resubmit a proper map. If you are not computer literate please call 410-841-5870 and someone will assist you.

Directions:

- Go to www.maps.google.com
- Type in a street, city, and state within your community in the Google Maps search bar
- Click Search Maps
- You will see three buttons at the top right of the screen; Map, Satellite, and Earth. Choose either the Map or the Satellite button.
 - If there are other areas your community would like sprayed (e.g. private roads, or roads that are not shown clearly on the road map) please use the Satellite button.
- Zoom in and out so that your entire community can be viewed within the frame.
- Print the map on one 8 ½" x 11" sheet of paper.
- Neatly highlight all roads within your community to be included in the spray program
 - There must not be any abrupt stops in highlighting
 - Highlighting may stop at the end of a road or an intersection
 - If highlighting stops in the middle of a road you must note a landmark such as an address.
- Check your map to be sure all roads you want included are highlighted
- Write the name of your community on the map
- Submit the map with your application

Note:

- This map is for participating in the Adult Mosquito Control program by truck mounted ULV sprayer. Any areas that you are interested in pointing out for larval mosquito control should be on a separate note or map. E.g. swamps, storm water management ponds, ditches.