



Maryland Department of Agriculture
Office of Plant Industries and Pest Management
Mosquito Control

The Wayne A. Cawley Jr. Building 50 Harry S.
Truman Parkway Annapolis,
MD 21401
www.mda.maryland.gov
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Mosquito Control Section

Season 2023

Dear Community Association Officer or Representative:

Your community has requested to participate in the adult mosquito surveillance and control program offered by the Maryland Department of Agriculture, Mosquito Control Section. This letter contains the enrollment form and important program information for the season. If you are no longer the representative for your community, please forward this to the appropriated individual or contact us immediately.

Routes will be filled on a first come, first serve basis. Forms received once the route in that community's area is full or after the deadline will be retained and your community will have the opportunity to apply to participate in our program the following year.

Please be advised that this application is for adult mosquito control service only, an application is not necessary for larval control, inspections and complaint investigations.

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. A record of the method of notification must be maintained for a year and made available immediately upon request by the Department. 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 areas. See the attached directions for details on how to create an effective map.

Residents who wish their properties to be excluded from adult mosquito control services must notify the Maryland Department of Agriculture and the community association by submitting a completed exemption form. The Departments policy on objection to adult mosquito control services and the exemption form are enclosed and are available on our website at: <https://mda.maryland.gov/plants-pests/Documents/Request%20for%20Exemption.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 homeowners 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; 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,
Sarah J. Zastrow

STANDARD MOSQUITO CONTROL OPERATING PROCEDURES – 2023
OPERATING PROCEDURES FOR SPRAYING OF ADULTICIDES (Treatment for adult mosquitoes):

- **Regular Surveillance and Control of Adult Mosquitoes: May 31 – October 3 2023**
 Sunday-Thursday (A night of the week will be assigned to your community).
 Anytime between 7:00p.m. - 2:30 a.m.
 Spraying for adult mosquitoes will **be done only if a Maryland Department of Agriculture Employee 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 and application rate**

<u>Permanone 30-30:</u>	Liquid
Permethrin mixed with Piperonyl Butoxide and Mineral Oil:	0.0031 lbs/acre (Ultra Low Volume application)

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

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

- **Larvicides to be used (This list is subject to additions or other revisions):**

Larvicide	Formulations
<u>Bacterial Larvicides:</u>	
VectoBac and Vectomax FG: <i>Bacillus thuringiensis var. israelensis</i>	Liquid, Granular
Spheratax: <i>Bacillus sphaericus</i>	Granular
<u>Insect growth regulator:</u>	
Altosid (Methoprene)	Liquid, 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 waterways of low dissolved oxygen and will decline in numbers within a few weeks after they first appear.

Sarah Zastrow, Entomologist
mosquito.control@maryland.gov
Phone: (410) 841-5870, Fax: (410) 841-5835
Monday – Friday, 8.30 a.m. - 4.00 p.m.

For more information, insecticide MSDS and labels, please visit our web site at:
http://mda.maryland.gov/plants-Pests/Pages/mc_product_labels_material_safety_data_sheets.aspx