



# Maryland Department of Agriculture

Agriculture | Maryland's Leading Industry

Office of Plant Industries and Pest Management

Mosquito Control

Larry Hogan, Governor  
Boyd K. Rutherford, Lt. Governor  
Joseph Bartenfelder, Secretary  
Steven A. Connelly, Deputy Secretary

The Wayne A. Cawley, Jr. Building  
50 Harry S Truman Parkway  
Annapolis, Maryland 21401  
mda.maryland.gov

410.841.5870 Baltimore/Washington  
410.841.5835 Fax

## Mosquito Control Section

Season 2022

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:

[mda.maryland.gov/plants-pests/Documents/NewExemption%202016-1.pdf](http://mda.maryland.gov/plants-pests/Documents/NewExemption%202016-1.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; [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,  
Sarah J. Zastrow

STANDARD MOSQUITO CONTROL OPERATING PROCEDURES – 2022

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

- **Regular Surveillance and Control of Adult Mosquitoes: May 25 – October 4 2022**  
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

<b>Adulticide</b>	<b>Formulation and application rate</b>
<u>Permanone 30-30:</u> Permethrin mixed with Piperonyl Butoxide and Mineral Oil	Liquid 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):**

<b>Larvicide</b>	<b>Formulations</b>
<u>Bacterial Larvicides:</u>  VectoBac and Aquabac: <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 water ways of low dissolved oxygen and will decline in numbers within a few weeks after they first appear.
- **Sarah Zastrow, Entomologist**  
[mosquito.control@maryland.gov](mailto: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](http://mda.maryland.gov/plants-Pests/Pages/mc_product_labels_material_safety_data_sheets.aspx)

**COMMUNITY APPLICATION FOR ADULT MOSQUITO CONTROL**  
**Located in Anne Arundel County - Seasons 2022**

The community of \_\_\_\_\_, located in Anne Arundel County, applies to be included in the cooperative mosquito control program for the 2022 seasons. **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**

Sarah J. Zastrow  
Maryland Department of Agriculture  
50 Harry S. Truman Parkway  
Annapolis, MD 21401  
Phone: 410-841-5870  
mosquito.control@maryland.gov

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

**Community Representative**

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



\_\_\_\_\_  
Signature (Community Representative)

I have read and understand the Standard Mosquito Control Operating Procedures and the Adult Mosquito Control Objection Policy. I have notified all residents of these policies to the best of my ability. I will maintain a record of the method of notification for one year and make it available immediately upon request by the Department.

**Provide a Map:**

I am providing a new map. Please include the roads outlined on the new map of my community in the Maryland Department of Agriculture's Adult Mosquito Control Program.

No map has been included. Please use the map of my community that has been previously provided to the Maryland Department of Agriculture's Adult Mosquito Control Program.

Please return your application as soon as possible to:

mosquito.control@maryland.gov  
410-841-5835 (fax)

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

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## Community Map Directions

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 will 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.google.com/maps](http://www.google.com/maps)
- Type in an address or street, city, and state within your community in the Google Maps search bar and click Search

*New Google Maps:* You will see a button in the lower left corner of the screen labeled 'Earth'  
*Classic Google Maps:* You will see a button in the top right corner of the screen labeled 'Satellite'

Choose either the Map or the Earth/Satellite format.

- 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 either draw in and label the missing sections or use the Earth/Satellite button.
- Zoom in and/or out so that your entire community can be viewed within the frame.
- Print the map on one 8 ½" x 11" sheet of paper.

**Tip – printing the desired area for your map may be more easily accomplished in Classic Google Maps.** You can switch back to 'Classic' mode from the new format by clicking on the question mark icon in the lower right corner of the screen and selecting 'Return to classic Google Maps'.

- 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. If a road is not highlighted, it will not be included in the spray program.
- 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.