



# Maryland Department of Agriculture

Office of Plant Industries and Pest Management

Larry Hogan, Governor

Boyd K. Rutherford, Lt. Governor

Joseph Bartenfelder, Secretary

Julianne A. Oberg, Deputy Secretary

Mosquito Control

The Wayne A. Cawley, Jr. Building

50 Harry S. Truman Parkway

Annapolis, Maryland 21401

[www.mda.maryland.gov](http://www.mda.maryland.gov)

Agriculture | Maryland's Leading Industry

410.841.5870 Baltimore/Washington

410.841.5835 Fax

800.492.5590 Toll Free

May 10, 2019

Dear Community Representative:

Your community's assigned fog night is **Wednesday**.

Fogging cannot commence until your community has been notified. It is your responsibility to notify your community.

Included, please find the following documents:

- Our standard operating procedures
- The exemption policy and form
- The Community Notification Verification Form
- A sheet with the information that is to be shared with the community

Monitoring the adult mosquito population before treatment is required, and treatment will only be carried out if an MDA employee has determined the need for it. Minimum thresholds which must be met for treatment to occur are as follows (any one of these is sufficient):

- Landing rate count of 3 mosquitoes attempting to bite in 2 minutes, OR
- 12 female mosquitoes collected overnight in an un-baited light trap, OR
- 24 female mosquitoes collected overnight in a baited light trap

**IMPORTANT:** Your community will not be fogged until residents have been notified and we have received the Community Notification Verification Form. Please return forms by May 29 to ensure that we are able to process them before the start of spraying.

## STANDARD MOSQUITO CONTROL OPERATING PROCEDURES – 2019

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

- **Regular Surveillance and Control of Adult Mosquitoes: May 29 – October 1**  
Sunday-Thursday (A night of the week will be assigned to your community)  
Anytime between 7:00p.m. - 2:30 a.m.
- Fogging for adult mosquitoes will be **done only if a Maryland Department of Agriculture Employee determines it is necessary.**
  - Fogging **will not be conducted** during rain, in wind speeds exceeding 12 MPH or below 1 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><br>Permethrin mixed with Piperonyl Butoxide and Mineral Oil | Liquid<br>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 waterways of low dissolved oxygen and will decline in numbers within a few weeks after they first appear.