

## 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><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 water ways of low dissolved oxygen and will decline in numbers within a few weeks after they first appear.
- **Sarah Zastrow, Entomologist**  
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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)