

STANDARD MOSQUITO CONTROL OPERATING PROCEDURES – 2017-18

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

- **Regular Surveillance and Control of Adult Mosquitoes: May 31 – October 3**
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> 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:

Larvicide	Formulations
<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.
- **Anthony DeWitt, Agricultural Inspector**
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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