

## 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

Permanone 30-30:

Permethrin mixed with Piperonyl Butoxide application) and Mineral Oil

Liquid

0.0031 lbs/acre (Ultra Low Volume

### 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

#### Bacterial Larvicides:

VectoBac and Aquabac:

*Bacillus thuringiensis var. israelensis*

Liquid, Granular

Spheratax:

*Bacillus sphaericus*

Granular

#### Insect growth regulator:

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.

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**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)