

**STANDARD MOSQUITO CONTROL OPERATING PROCEDURES – 2016**

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

- **Regular Surveillance and Control of Adult Mosquitoes: May 25 – October 11**  
 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 rate</b>	<b>Formulation and application</b>
<u>Permanone 30-30:</u>	Liquid
Permethrin mixed with Piperonyl Butoxide	0.0031 lbs/acre (Ultra Low Volume application)
and Mineral Oil	

**OPERATING PROCEDURES FOR USE OF LARVICIDES** (Treatment for mosquito larvae):

- **County-wide Surveillance and Control of Larval Mosquitoes: April - October**  
 Monday – Friday, 8:00 AM -4:30 PM

• **LARVICIDES TO BE USED:**

<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
Spinosad <i>Spinosyn A &amp; D</i>	Granular, Tablets
<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.