

STANDARD MOSQUITO CONTROL OPERATING PROCEDURES

The Queen Anne's County Mosquito Control Program is conducted by the Mosquito Control Section of the Maryland Department of Agriculture, under cooperative agreement with the County Government.

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

- Regular Surveillance and Control of Adult Mosquitoes:
Sunday-Thursday (A night of the week will be assigned to your community), **on average bi-weekly service**
Anytime between 7:00 p.m. – 6:00 a.m.
- **Spraying for adult mosquitoes will be done only if a Maryland Department of Agriculture Inspector determines it is necessary.**
 - Spraying will not be conducted during rain or if ground is wet, in wind speeds below 1 MPH, 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 |
|--|--|
| <u>Permanone 30-30:</u> | 0.0031 lbs/acre |
| Permethrin mixed 1 in 4 with | 9.08 oz 20 miles/hour |
| BVA oil = 6% end use dilution (finish mix) | 0.75 oz fluid ounces finished spray/acre |

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

- County-wide Surveillance and Control of Larval Mosquitoes: Monday - Friday

- **LARVICIDES TO BE USED:**

Larvicide	Formulations
<u>Bacterial Larvicides:</u>	
VectoBac and Aquabac: <i>Bacillus thuringiensis var. israelensis</i>	Liquid, Granular
Vectolex: <i>Bacillus sphaericus</i>	Liquid, Granular
<u>Insect growth regulator:</u> Altosid (Methoprene)	Liquid, Charcoal Briquet or Pellets

The Mosquito Control Program does not spray for adult midges that swarm on homes, boats, trees and shrubs along many Queen Anne's 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, 7:30 a.m. – 3:00 p.m.

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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/mosquito_control.aspx