



Maryland Department of Agriculture

Office of Plant Industries and Pest Management

Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor
Joseph Bartenfelder, Secretary
Julianne A. Oberg, Deputy Secretary

Mosquito Control

The Wayne A. Cawley, Jr. Building
50 Harry S. Truman Parkway
Annapolis, Maryland 21401
www.mda.maryland.gov

Agriculture | Maryland's Leading Industry

410.841.5870 Baltimore/Washington
410.841.5835 Fax
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February 12, 2019

Dear Mosquito Control Customer:

The Mosquito Control Program is a service provided by the Maryland Department of Agriculture's (MDA) Mosquito Control Section in cooperation with the Queen Anne's County Department of Public Works. Mosquito surveillance and control operations will be exclusively conducted by MDA personnel. Funding is provided by MDA, Queen Anne's County and user fees.

There is a cutoff date for submission after which we cannot process new applications. Customers will be accepted into the program until April 30, 2019. In order to maximize mosquito control effectiveness, participating as a community is strongly preferred. Subdivisions or communities with an active homeowner's association (HOA) will only be sprayed as a community. Residences not within a planned subdivision, or those without an active homeowner's association can enroll forming a "quasi" community group. All requests for service and payments within a community must be made via a designated HOA or community representative. **It is the responsibility of the community representative to make available to all residents of the community the information regarding mosquito control activities, operating procedures, policies and spray schedules. You must indicate the method of notification on the application form.**

As part of our Integrated Pest Management (IPM) program, the mosquito population will be monitored regularly and spraying will only occur if the mosquito population meets or exceeds MDA's population threshold or in cases that threaten public health such as when West Nile Virus is detected. For more information, please see the attached sheet entitled "Standard Mosquito Control Operating Procedures". All ULV applications of the EPA approved adulticide will only control the adult mosquitoes present at the time of treatment.

There will be no off road spraying. Private driveway spraying will be conducted solely upon the approval of the MDA supervisor. If it is necessary for MDA personnel to enter a private driveway, then the property owner will be required to complete a "Permission to enter" form. **Manually operated driveway gates must be left open if mosquito control personnel are to enter.**

E-mail is the preferred method of contact however it is not required. Any questions or comments concerning the program may be directed to the Maryland Department of Agriculture at 410-758-2168, or via email at misti.boggus@maryland.gov.

Sincerely,

Misti L. Boggus, Agricultural Inspector III
misti.boggus@maryland.gov
Phone: (410) 758-2168

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 a 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 (excluding State holiday's), **bi-weekly service**
Anytime between 7:00 p.m. – 6:00 a.m.
- Spraying for adult mosquitoes will be conducted in accordance with the following:
 - Spraying will not be conducted during rain, in wind speeds below 1 MPH or exceeding 12 MPH, or temperatures above 89°F.
 - Thresholds for Ground ULV spraying to occur.
 - 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
Permanone 30-30:	0.0031 lbs/acre
Permethrin mixed 1 in 4 with	9.08 oz at 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, 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.

Misti L. Boggus, Agricultural Inspector III
misti.boggus@maryland.gov
Phone: (410) 758-2168
Monday – Friday, 7:30 a.m. – 3:00 p.m.

Daniel Schamberger, Administrator III
daniel.schamberger@maryland.gov
Phone: (410) 543-6626
Monday – Friday, 8:30 a.m. – 4:00 p.m.

For more information, insecticide SDS's and labels, please visit our web site at:
http://mda.maryland.gov/plants-pests/Pages/mosquito_control.aspx

COMMUNITY APPLICATION FOR MOSQUITO CONTROL

Queen Anne’s County - Season 2019

DEADLINE FOR PARTICIPATION: APRIL 30, 2019

The community of _____, located in Queen Anne’s County, applies to be included in the cooperative mosquito control program for the 2019 season. **The undersigned community representative agrees to contact ALL COMMUNITY MEMBERS WHETHER THEY ARE IN THE PROGRAM OR NOT, notifying them of the community’s participation in the mosquito control program, the Policy on Objection to Adult Mosquito Control Services, and the Standard Mosquito Control Operating Procedures.** The community agrees to allow access by MDA personnel to conduct mosquito control activities. The community must submit this application, a community map, and a check payable to “Queen Anne’s County” according to the rate schedule below. “Permission to enter” forms are only necessary for residents whom **MDA has identified** in need of driveway spraying. **There will be no off road spraying. Private driveway spraying will only be conducted solely upon the approval of the MDA supervisor. There is a cutoff date for submission after which we cannot process new applications. Customers will be accepted into the program until April 30, 2019.**

2019 Rates per season per home:

1 home - \$250.00 per home	11 - 15 homes - \$55.00 per home	51 - 70 homes - \$20.00 per home
2 homes - \$130.00 per home	16 - 20 homes - \$45.00 per home	71 - 100 homes - \$17.50 per home
3 homes - \$90.00 per home	21 - 25 homes - \$35.00 per home	101-200 homes - \$13.75 per home
4 homes - \$72.50 per home	26 - 30 homes - \$27.50 per home	201-299 homes - \$11.25 per home
5 - 10 homes - \$63.75 per home	31 - 50 homes - \$22.50 per home	300 or more homes - \$7.50 per home

***Please note if any additional homes come into your community later, they will have to pay the same rate per the original number of homes: you may not move into a lower price bracket after this application has been submitted (until next season).**

(_____ number of homes in the community) X (\$ _____ per home) = \$ _____ enclosed

Community Map: **A community map should be on 8 ½” x 11” sheet(s) of paper, with all roads (spray path) clearly highlighted and a list of participants by name and address.** Acceptable maps include community planning maps, maps printed from internet sources, or photocopies of road maps. If you need assistance in creating a map please contact us at 410-758-2168.

Maryland Department of Agriculture

Queen Anne’s County

Attention: Mosquito Control Section

211 Safety Drive

Centreville, MD 21617

Phone: 410-758-2168

Community Representative

Name: _____

Street: _____

Town: _____ Zip Code: _____

Phone: _____

E-mail: _____

Gate Codes in Community: _____

Method of community notification: _____

misti.boggus@maryland.gov

Signature (Community Representative)

I have read and understand the Standard Mosquito Control Operating Procedures and I will inform all

Please mail your application, map, and check payable “Queen Anne’s County” to the address above.

MUTUAL EXCLUSION CLAUSE: *This agreement can be ended by either MDA or the above named community at any time. Refund requests will be decided through Queen Anne’s County Public Works. For information on mosquito control activities please refer to the attached “Standard Mosquito Control Operating Procedures” or visit our website http://mda.maryland.gov/plants-pests/Pages/mosquito_control.aspx*

**QUEEN ANNE’S COUNTY MOSQUITO CONTROL
 PERMISSION TO ENTER FORM (PTE FORM) – SEASON 2019
 DEADLINE FOR PARTICIPATION: APRIL 30, 2019**

There will be no off road spraying. Our specialized equipment and insecticides enable us to significantly reduce the number of mosquitoes in your community and it is therefore not necessary to enter every driveway in order to control the mosquitoes within your neighborhood. Return this PTE form to your community contact person indicating that you are granting permission for our employees to enter your driveway to conduct insecticide applications. The County and/or MDA will not be responsible for any damage done to your property during the spraying process. It is the responsibility of the property owner to provide clear and unobstructed access for any spraying conducted. Please make sure that our technician will have room to turn around in your driveway. Failure to do so may result in incomplete or suspended service, or unintended property damage. **Manually operated driveway gates must be left open if mosquito control personnel are to enter. There is a cutoff date for submission after which we cannot process new applications. Customers will be accepted into the program until April 30, 2019.**

I/We grant permission to the State of Maryland - Department of Agriculture in Queen Anne’s County to have access to and enter upon my/our owned/leased property for the purpose of conducting mosquito control using truck-mounted or hand-carried insecticide spray equipment. The application of insecticide will be in compliance with the use instructions contained on the insecticide label. Labels can be found on the MDA website. The undersigned mosquito control customer has read and understands the Standard Mosquito Control Operating Procedures. The customer agrees to allow access by MDA personnel to conduct mosquito control activities.

There will be no off road spraying. Some properties will require driveway spraying while others will be sprayed from the road only. This will be decided solely by the MDA Supervisor.

Property Location/Mailing Address	Resident Information
Property Address:	Printed Name(s):
Property City/ZIP:	Signature:
Mailing Address:	Phone Number:
	E-mail:
Mailing State/Zip:	Gate Code:

Community Name: _____

Return to your Community Representative:

This permission may be canceled immediately when such cancellation is made in writing and delivered to the Maryland Department of Agriculture.