



SCANNED

APR 18 2019
RE Mosquito Control Notice

COUNTY OF BERGEN
DEPARTMENT OF PUBLIC WORKS
MOSQUITO CONTROL DIVISION
220 E. Ridgewood Ave., Paramus, NJ
(201) 634-2880/2881 • Fax (201) 634-2888

James J. Tedesco III
County Executive

Raymond Dressler
Director of Public Works

April 8, 2019

Robert Shannon JR
340 Franklin Ave
Wyckoff, NJ 07481

Warren Staudinger
Mosquito Control Division Director

Dear Robert Shannon JR,
Enclosed you will find New Jersey Department of Environmental Protection Agency approved information about the Bergen County Mosquito Control Division's operations. This information is provided to be in compliance with N.J.A.C. 7:30-9.10e.

This packet contains the following enclosures:

1. A question and answer sheet on "Mosquitoes – What Everyone Should Know"
2. An example of the "Public Notice" for adult mosquito control treatment which will appear in local papers for the period of April 30, 2019 through October 31st, 2019.
3. Fact sheet on Fyfanon®, Zenivex™, Scourge®, and Duet® Adulticides – the mosquito control products that may be used by the Division to control the disease incidence and nuisance levels caused by adult mosquitoes.

Pursuant to N.J.A.C. 7:30-9.10(e) 2iii, "Municipalities are encouraged to share this information with all residents in their community." If desired, you may contact the Division to arrange for a speaker to talk about mosquito control in your municipality.

Sincerely,

Warren Staudinger

Warren Staudinger
Division Director

Bergen County Mosquito Control Division
220 East Ridgewood Ave, Paramus, NJ 07653
Tel: 201-634-2881, **Fax:** 201-634-2888
<https://www.co.bergen.nj.us/mosquito-control>

BERGEN COUNTY DEPARTMENT OF PUBLIC WORKS- MOSQUITO CONTROL

PUBLIC NOTICE

Mosquito Control is everyone's responsibility; please do your part by preventing mosquitoes from breeding on your property. For more information on mosquitoes and mosquito control contact The Bergen County Mosquito Control Program @ 201-634-2880 or 201-634-2881 and or visit our website@ www.bergenhealth.org

In compliance with Section 9.10 of the New Jersey Pesticide Control Code (N.J.A.C. Title 7 Chapter 30) the Bergen County Department of Public Works - Mosquito Control Division, Jerome Avenue, Paramus New Jersey 07653 will be applying pesticides for the control and reduction of adult mosquito populations on an area-wide basis as needed throughout BERGEN COUNTY during the period from April 30, 2019 to October 31, 2019.

The pesticides used will be those recommended by the New Jersey Agricultural Experiment Station (NJAES) for the control of adult mosquitoes which includes:

DUET (Active Ingredients: Prallethrin and trans-chrysanthemate), Zenivex (Active Ingredient: etofenprox 20%), Fyfanon (Active Ingredient: Malathion), Scourge (Active Ingredients: Resmethrin) applied ONLY by ground using truckmounted Ultra Low Volume (ULV) equipment. UNLESS in an extreme emergency where we may utilize the above by helicopter All applications will be according to product labeling and NJAES recommendations.

In case of any pesticide emergency please contact the New Jersey Poison Information and Education System@ 1-800-222-1222; or the National Pesticide Information Center @ 1-800-858-7378 for routine pesticide-related health inquiries.

Upon request the Bergen County Mosquito Control shall provide a resident with notification at least 12 hours prior to the application. Except for Quarantine and Disease Vector Control only, when conditions necessitate pesticide applications sooner than the 12 hours.

The phone number for updated information on time and location of applications is 201-225-7000; and those seeking further information regarding the Bergen County Mosquito Control activities are requested to contact Warren Staudinger, Division Director (NJCDA License #58053A)@ (201) 634-2880 or (201) 634-2881. The information is also posted on the County website@ www.bergenhealth.org

For information on pesticide regulations, pesticide complaints and health referrals contact the New Jersey Pesticide Control Program @ 1-609-984-6568

MOSQUITOES....WHAT EVERYONE SHOULD KNOW

Questions & Answers

What is the life cycle of mosquito?

Mosquitoes have four stages of development - egg, larva, pupa, and adult. They spend their larval and pupal stages in water. Female mosquitoes of most species deposit eggs on moist surfaces such as mud or fallen leaves. Rain re-floods these surfaces and stimulates the hatching of the eggs, starting the life cycle. Other mosquito species lay their eggs on permanent water surfaces. Since the water source is constant, egg hatching and larval development is an ongoing process. Mosquitoes take approximately one week to develop from egg to adult. After emerging from the aquatic stages, adult mosquitoes mate and females seek a blood meal to obtain nutrients necessary for egg development. Only the female mosquitoes bite. Adult male mosquitoes feed on plant nectar and die shortly after mating. The average life span for adult mosquitoes is 2 – 3 weeks.

How many kinds of mosquitoes are there?

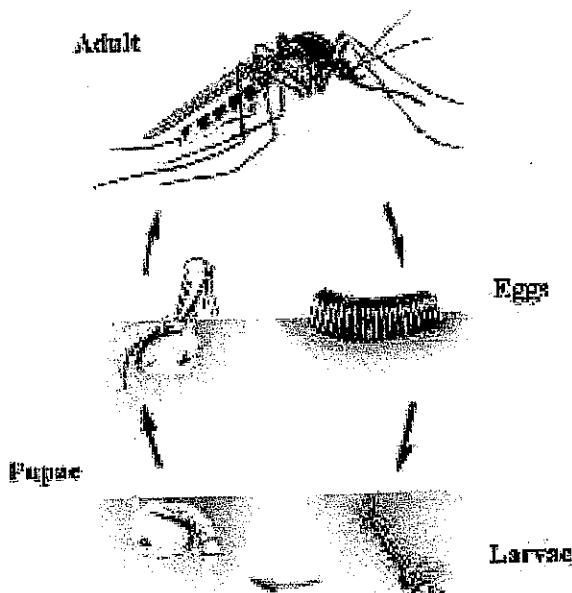
In Bergen County, there are more than 40 different mosquito species, with more than 63 species found in New Jersey. Fortunately, most mosquito species either do not prefer to feed on humans or do not occur in high enough numbers to cause a problem. Between 24 and 28 problematic species regularly occur throughout the county during the year.

What human diseases do mosquitoes transmit?

West Nile virus (WNV), St. Louis (SLE) and Eastern Equine encephalitis (EEE) are several diseases that can be transmitted by mosquitoes found in Bergen County. WNV was first identified in the United States in New York City and surrounding areas in the fall of 1999. The primary transmitter of WNV and SLE are mosquitoes commonly found around homes. They are mosquitoes that will readily utilize tires or any container holding water. Both of these diseases can pose a significant threat to the very young and old, as well as individuals with compromised immune systems. EEE, while rare in Bergen County, is a more dangerous disease and is transmitted by mosquitoes that are produced in permanent swamps and saltwater marshes.

What animal diseases do mosquitoes transmit?

Dogs and horses are also susceptible to mosquito-transmitted diseases. Dog heartworm is a serious threat to your pet's life and is costly to treat once it is contracted through the bite of an infected mosquito. Fortunately, a preventative medicine to protect your dog from contracting heartworm is available. WNV and EEE are threats to horses as well as to humans. Vaccines that can protect your horse against EEE and WNV are also readily available. Contact your local veterinarian to get more information. WNV has also been responsible for the death of numerous birds, mostly in the wild bird population.



What can homeowners do?

- Homeowners can control mosquitoes by eliminating standing water on their property. Any container holding water is a potential mosquito-production source and is likely to cause problems around your home. Of particular concern are clogged gutters, scattered tires and unopened swimming pools. All tend to collect leaves and water and provide very attractive larval sources for mosquitoes. These containers dry out very slowly. Keep gutters clean and free flowing. Remove or overturn containers that may collect water.
- Remove water from swimming pool covers. If pools are not covered, make sure the water is clean so it is not attractive to mosquitoes. Natural depressions in your yard can hold water. They will not be a problem, however, if the water disappears within 4 to 5 days. Artificial containers will remain wet for a much longer period of time. If you wish to collect rainwater, tightly screen the tops of the containers to prevent mosquitoes from depositing their eggs on the water surface. Items such as pet water bowls and birdbaths should be emptied and refilled at least once a week.
- Small depressions in your yard can be filled to prevent the collection of water. If larger wet areas exist on your property, bring them to the attention of the Mosquito Control Division.
- Make sure windows and door screens are properly fitted and holes are patched to prevent mosquitoes from entering the house.
- A wide variety of repellents are available to provide relief from mosquitoes and other insects. Always **read and follow the label** before using any repellent.

What can I do if there are adult mosquitoes around my home?

If mosquitoes present a problem in your area, contact the Division's office at (201) 634-2881. Our staff will investigate your call promptly. Each area is inspected to locate mosquito-production sources and to verify the presence of adult mosquitoes. If an adult or larval mosquito problem is identified, insecticides may be applied for their control.

What pesticides are used to control mosquitoes?

The majority of the pesticides used are insecticides to control immature mosquitoes in the water. These insecticides may be applied either by ground equipment or aircraft. If a major adult mosquito problem is identified, or if disease-carrying mosquitoes are detected, an adulticide may be applied throughout the area of infestation. For more information regarding the pesticides used for adult mosquito control, please refer to the accompanying NJDEP approved pesticide fact sheets. It should be noted that some of the insecticides used for the control of mosquitoes are used to control other pests. The dosage rates used for mosquito control are usually much less, as low as 5/8ths of an ounce per acre to control mosquito larvae.

Where can I find more specific information on spraying for adult mosquitoes in Bergen County and will I be notified of the spraying?

All spraying for adult mosquitoes on more than 3 acres aggregate, whether conducted from the ground or air, will be advertised in The Record and The Herald News. The advertisements will contain information such as intended application dates or range of application dates, location, contact name, and phone number. This information is also available by accessing the Bergen Bites Back web page (<https://www.co.bergen.nj.us/health-promotions/bergen-bites-back>). Individual homeowners can request to be notified prior to an adulticide application near their home.

Contact the Division for details on the procedure to request notification.

- Avoid direct contact with surfaces that are wet from pesticide spraying. Do not allow children to play in areas that have been sprayed until they have completely dried (approximately one hour).
- If you must remain outdoors, avoid eye and skin contact with the spray. If you get spray in your eyes or on your skin, flush and rinse with water.

What are the symptoms of exposure to Fyfanon?

Symptoms of exposure can include headache, nausea, dizziness, excessive sweating, salivation, excessive tearing and a runny nose. The chance of experiencing these symptoms of exposure with proper use is extremely low. You should contact your physician, other medical providers, or the New Jersey Poison Information and Education System (NJPIES) at 1-800-222-1222 if you experience these symptoms following a pesticide spraying. Bring this sheet with you if you visit a physician or other medical provider.

How long will Fyfanon last in the environment?

The Fyfanon spray stays in the air for a short time until it settles out and lands on surfaces. Fyfanon has a low persistence and lasts no longer than 25 days in water and soil. Fyfanon breaks down quickly in sunlight.

Where can I get more information on Fyfanon?

The following are resources for more information regarding Fyfanon and mosquito control in your area (unless otherwise noted, available during normal business hours):

For overall pesticide-specific information – 9:30am to 7:30pm:

National Pesticide Information Center **800-858-7378**

For pesticide health information & possible exposures – 24 hours:

NJ Poison Information & Education System **800-222-1222**

For pesticide regulation & misuse complaints:

NJDEP Pesticide Control Program **609-984-6568**

For pesticide regulation:

USEPA Region 2 Office of Pesticide Programs **732-321-6768**

For pesticide health information:

Bergen County Department of Health Services **201-634-2600**

For mosquito control insecticide recommendations:

Rutgers University, Department of Entomology **732-932-9774**

Where can I get more information about local mosquito control?

Bergen County Mosquito Control **201-634-2880**

For state-wide mosquito control information:

NJDEP Office of Mosquito Control Coordination **609-292-3649**

- Avoid direct contact with surfaces still wet from pesticide spraying. Do not allow children to play in areas that have been sprayed until they have completely dried (approximately one hour).
- If you must remain outdoors, avoid eye and skin contact with the spray. If you get spray in your eyes or on your skin, immediately flush and rinse with water.

What are the symptoms of exposure to Etofenprox?

Symptoms of over-exposure can include irritation to skin and eyes. The chance of experiencing these symptoms of over-exposure with proper use is low. You should contact your physician, other medical providers, or the New Jersey Poison Information and Education System (NJPIES) at 1-800-222-1222 if you experience these symptoms following a pesticide spraying.

How long will Etofenprox last in the environment?

The non-ester pyrethroid in Etofenprox has a half-life of 1.7 days in water and 4.4 days in soil. The Etofenprox molecule rapidly degrades in sunlight at the soil and water surface into its constituent elements Carbon, Hydrogen, and Oxygen.

Where can I get more information on this adulticide?

The following are resources for more information regarding Etofenprox and mosquito control in your area (unless otherwise noted, available during normal business hours):

For overall pesticide-specific information – 9:30am to 7:30pm:

National Pesticide Information Center **800-858-7378**

For pesticide health information & possible exposures – 24 hours:

NJ Poison Information & Education System **800-222-1222**

For pesticide regulation & misuse complaints:

NJDEP Pesticide Control Program **609-984-6568**

For pesticide regulation:

USEPA Region 2 Office of Pesticide Programs **732-321-6768**

For pesticide health information:

Bergen County Department of Health Services **201-634-2600**

For mosquito control insecticide recommendations:

Rutgers University, Department of Entomology **732-932-9774**

Where can I get more information about local mosquito control?

Bergen County Mosquito Control **201-634-2880**

For state-wide mosquito control information:

NJDEP Office of Mosquito Control Coordination **609-292-3649**

- If you must remain outdoors, avoid eye and skin contact with the spray. If you get spray in your eyes or on your skin, immediately flush and rinse with water.

What are the symptoms of exposure to Scourge?

Irritation or sensitization sometimes occurs after exposure, causing an asthmatic condition or skin rash. The chance of experiencing these symptoms of exposure with proper use is low. You should contact your physician, other medical providers or the New Jersey Poison Information and Education System (**NJPIES**) at **1-800-222-1222** if you experience these symptoms following a pesticide spraying. Bring this sheet with you if you visit a physician or other medical provider.

How long will Scourge last in the environment?

The **Scourge** spray stays in the air for a short time until it lands on surfaces. **Resmethrin** has a low persistence and lasts no longer than 25 days in water and soil. **Resmethrin** breaks down faster in sunlight.

Where can I get more information on Scourge?

The following are resources for more information regarding **Scourge** and mosquito control in your area (unless otherwise noted, available during normal business hours):

For overall pesticide-specific information – 9:30am to 7:30pm:

National Pesticide Information Center **800-858-7378**

For pesticide health information & possible exposures – 24 hours:

NJ Poison Information & Education System **800-222-1222**

For pesticide regulation & misuse complaints:

NJDEP Pesticide Control Program **609-984-6568**

For pesticide regulation:

USEPA Region 2 Office of Pesticide Programs **732-321-6768**

For pesticide health information:

Bergen County Department of Health Services **201-634-2600**

For mosquito control insecticide recommendations:

Rutgers University, Department of Entomology **732-932-9774**

Where can I get more information about local mosquito control?

Bergen County Mosquito Control **201-634-2880**

For state-wide mosquito control information:

NJDEP Office of Mosquito Control Coordination **609-292-3649**

- Move your pets, their food, and water dishes inside during ULV application. Also bring clothing and children's toys inside.
- Stay away from application equipment, whether in use or not.
- Whenever possible, remain indoors with windows closed and with window air conditioners on non-vent (closed to the outside air) and window fans turned off during spraying.
- Avoid direct contact with surfaces that are still wet from pesticide spraying. Do not allow children to play in areas that have been sprayed until they have completely dried (approximately one hour).
- If you must remain outdoors, avoid eye and skin contact with the spray. If you get spray in your eyes or on your skin, immediately flush and rinse with water.

What are the symptoms of exposure to *Duet Dual-Action*®?

Symptoms of over-exposure can include irritation to skin and eyes, respiratory and nasal irritation, irritability to sound or touch, abnormal facial sensation, sensation of prickling, tingling or creeping of skin, numbness, headache, dizziness, nausea, vomiting, diarrhea, excessive salivation, and fatigue. The chance of experiencing these symptoms of over-exposure with proper use is low. You should contact your physician, other medical providers, or the New Jersey Poison Information and Education System (**NJPIES**) at **1-800-222-1222** if you experience these symptoms following a pesticide spraying.

How long will *Duet Dual-Action*® last in the environment?

Pyrethroids have a soil half-life of 12 days. They have an extremely low pesticide movement rating because they bind tightly to the soil. Pyrethroids are unstable in light and air. They rapidly degrade in sunlight at the soil surface and in water. Piperonyl butoxide has a soil half-life of approximately 4 days.

Where can I get more information on this adulticide?

The following are resources for more information regarding *Duet Dual-Action*® and mosquito control in your area (unless otherwise noted, available during normal business hours):

For overall pesticide-specific information – 9:30am to 7:30pm:

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For pesticide regulation:

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For pesticide health information:

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SCANNED

April 18, 2019
RE: Mosquito Control Notice
County Executive

COUNTY OF BERGEN
DEPARTMENT OF PUBLIC WORKS
MOSQUITO CONTROL DIVISION
220 E. Ridgewood Ave., Paramus, NJ
(201) 634-2880/2881 • Fax (201) 634-2888

James J. Tedesco III
County Executive

April 3, 2019
Robert Shannon JR
340 Franklin Ave
Wyckoff, NJ 07481

Warren Staudinger
Mosquito Control Division Director

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@ 201-634-2880 or 201-634-2881 and/or visit our website @ www.bergenhealth.org

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In case of any pesticide emergency please contact the New Jersey Poison Information

Pursuant to N.J.A.C. 7:30-9.10(e) 2(iii), "Municipalities are encouraged to share this information with all residents in their community." If desired, you may contact the Division to arrange for a speaker to talk about mosquito control in your municipality.

Sincerely,

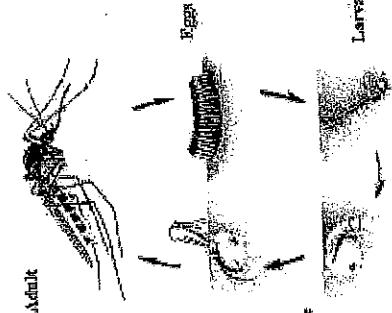
Warren Staudinger
Warren Staudinger
Division Director

Bergen County Mosquito Control Division
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MOSQUITOES...WHAT EVERYONE SHOULD KNOW

Questions & Answers



What is the life cycle of mosquito?

Mosquitoes have four stages of development - egg, larva, pupa, and adult. They spend their larval and pupal stages in water. Female mosquitoes deposit eggs on moist surfaces such as mud or fallen leaves. Rain re-floods these surfaces and stimulates the hatching of the eggs, starting the life cycle. Other mosquito species lay their eggs on permanent water surfaces. Since the water source is constant, egg hatching and larval development is an ongoing process. Mosquitoes take approximately one week to develop from egg to adult. After emerging from the aquatic stages, adult mosquitoes mate and females seek a blood meal to obtain nutrients necessary for egg development. Only the female mosquitoes bite. Adult male mosquitoes feed on plant nectar and die shortly after mating. The average life span for adult mosquitoes is 2 – 3 weeks.

How many kinds of mosquitoes are there?

In Bergen County, there are more than 40 different mosquito species, with more than 63 species found in New Jersey. Fortunately, most mosquito species either do not prefer to feed on humans or do not occur in high enough numbers to cause a problem. Between 24 and 28 problematic species regularly occur throughout the county during the year.

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What can homeowners do?

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- Small depressions in your yard can be filled to prevent the collection of water. If larger wet areas exist on your property, bring them to the attention of the Mosquito Control Division.
- Make sure windows and door screens are properly fitted and holes are patched to prevent mosquitoes from entering the house.
- A wide variety of repellents are available to provide relief from mosquitoes and other insects. Always read and follow the label before using any repellent.

What can I do if there are adult mosquitoes around my home?

- If mosquitoes present a problem in your area, contact the Division's office at (201) 634-2881. Our staff will investigate your call promptly. Each area is inspected to locate mosquito-production sources and to verify the presence of adult mosquitoes. If an adult or larval mosquito problem is identified, insecticides may be applied for their control.

What pesticides are used to control mosquitoes?

- The majority of the pesticides used are insecticides to control immature mosquitoes in the water. These insecticides may be applied either by ground equipment or aircraft. If a major adult mosquito problem is identified, or if disease-carrying mosquitoes are detected, an adulticide may be applied throughout the area of infestation. For more information regarding the pesticides used for adult mosquito control, please refer to the accompanying NJDEP approved pesticide fact sheets. It should be noted that some of the insecticides used for the control of mosquitoes are used to control other pests. The dosage rates used for mosquito control are usually much less, as low as 5/8ths of an ounce per acre to control mosquito larvae.

Where can I find more specific information on spraying for adult mosquitoes in Bergen County and will I be notified of the spraying?

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MUNICIPALITIES ARE ENCOURAGED TO SHARE THIS INFORMATION WITH ALL RESIDENTS IN THEIR COMMUNITY

3-20-2019

BERGEN COUNTY MOSQUITO CONTROL DIVISION

March 2019

BERGEN COUNTY MOSQUITO CONTROL DIVISION

March 2019

- Avoid direct contact with surfaces that are wet from pesticide spraying. Do not allow children to play in areas that have been sprayed until they have completely dried (approximately one hour).
- If you must remain outdoors, avoid eye and skin contact with the spray. If you get spray in your eyes or on your skin, flush and rinse with water.

What are the symptoms of exposure to Fyfanon?

Symptoms of exposure can include headache, nausea, dizziness, excessive sweating, salivation, excessive tearing and a runny nose. The chance of experiencing these symptoms of exposure with proper use is extremely low. You should contact your physician, other medical providers, or the New Jersey Poison Information and Education System (NJPES), at 1-800-222-1222 if you experience these symptoms following a pesticide spraying. Bring this sheet with you if you visit a physician or other medical provider.

How long will Fyfanon last in the environment?

The Fyfanon spray stays in the air for a short time until it settles out and lands on surfaces. Fyfanon has a low persistence and lasts no longer than 25 days in water and soil. Fyfanon breaks down quickly in sunlight.

Where can I get more information on Fyfanon?

The following are resources for more information regarding Fyfanon and mosquito control in your area (unless otherwise noted, available during normal business hours):

For overall pesticide-specific information – 9:30am to 7:30pm:
NJ Poison Information Center **800-858-7378**

For pesticide health information & possible exposures – 24 hours:
NJ Poison Information & Education System **800-222-1222**

For pesticide regulation & misuse complaints:
NJDEP Pesticide Control Program **609-984-6568**

For pesticide regulation:
USEPA Region 2 Office of Pesticide Programs **732-321-6768**

For pesticide health information:
Bergen County Department of Health Services **201-634-2600**

For mosquito control insecticide recommendations:
Rutgers University, Department of Entomology **732-932-9774**

Where can I get more information about local mosquito control?
Bergen County Mosquito Control **201-634-2880**

For state-wide mosquito control information:
NJDEP Office of Mosquito Control Coordination **609-292-3649**

BERGEN COUNTY MOSQUITO CONTROL DIVISION

March 2019

- Avoid direct contact with surfaces still wet from pesticide spraying. Do not allow children to play in areas that have been sprayed until they have completely dried (approximately one hour).
- If you must remain outdoors, avoid eye and skin contact with the spray. If you get spray in your eyes or on your skin, immediately flush and rinse with water.

What are the symptoms of exposure to Etofenprox?

Symptoms of over-exposure can include irritation to skin and eyes. The chance of experiencing these symptoms of over-exposure with proper use is low. You should contact your physician, other medical providers, or the New Jersey Poison Information and Education System (NJPES) at 1-800-222-1222 if you experience these symptoms following a pesticide spraying.

How long will Etofenprox last in the environment?

The non-ester pyrethroid in Etofenprox has a half-life of 1.7 days in water and 4.4 days in soil. The Etofenprox molecule rapidly degrades in sunlight at the soil and water surface into its constituent elements Carbon, Hydrogen, and Oxygen.

Where can I get more information on this adulticide?

The following are resources for more information regarding Etofenprox and mosquito control in your area (unless otherwise noted, available during normal business hours):

For overall pesticide-specific information – 9:30am to 7:30pm:
National Pesticide Information Center **800-858-7378**

For pesticide health information & possible exposures – 24 hours:
NJ Poison Information & Education System **800-222-1222**

For pesticide regulation & misuse complaints:
NJDEP Pesticide Control Program **609-984-6568**

For pesticide regulation:
USEPA Region 2 Office of Pesticide Programs **732-321-6768**

For pesticide health information:
Bergen County Department of Health Services **201-634-2600**

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- If you must remain outdoors, avoid eye and skin contact with the spray. If you get spray in your eyes or on your skin, immediately flush and rinse with water.

What are the symptoms of exposure to Scourge?

Irritation or sensitization sometimes occurs after exposure, causing an asthmatic condition or skin rash. The chance of experiencing these symptoms of exposure with proper use is low. You should contact your physician, other medical providers or the New Jersey Poison Information and Education System (**NJPIES**) at **1-800-222-1222** if you experience these symptoms following a pesticide spraying. Bring this sheet with you if you visit a physician or other medical provider.

How long will Scourge last in the environment?

The **Scourge** spray stays in the air for a short time until it lands on surfaces. **Resmethrin** has a low persistence and lasts no longer than 25 days in water and soil. **Resmethrin** breaks down faster in sunlight.

Where can I get more information on Scourge?

The following are resources for more information regarding **Scourge** and mosquito control in your area (unless otherwise noted, available during normal business hours):

For overall pesticide-specific information – 9:30am to 7:30pm:
National Pesticide Information Center **800-858-7378**

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For pesticide health information:
Bergen County Department of Health Services **201-634-2600**

For mosquito control insecticide recommendations:
Rutgers University, Department of Entomology **732-932-9774**

Where can I get more information about local mosquito control?
Bergen County Mosquito Control **201-634-2880**

For state-wide mosquito control information:
NJDEP Office of Mosquito Control Coordination **609-292-3649**

For pesticide regulation & misuse complaints:
NJDEP Pesticide Control Program **609-984-6568**

For pesticide regulation:
USEPA Region 2 Office of Pesticide Programs **732-321-6768**

For pesticide health information:
Bergen County Department of Health Services **201-634-2600**

- Move your pets, their food, and water dishes inside during ULV application. Also bring clothing and children's toys inside.
- Stay away from application equipment, whether in use or not.
- Whenever possible, remain indoors with windows closed and with window air conditioners on non-vent (closed to the outside air) and window fans turned off during spraying.
- Avoid direct contact with surfaces that are still wet from pesticide spraying. Do not allow children to play in areas that have been sprayed until they have completely dried (approximately one hour).
- If you must remain outdoors, avoid eye and skin contact with the spray. If you get spray in your eyes or on your skin, immediately flush and rinse with water.

What are the symptoms of exposure to Duet Dual-Action®?

Symptoms of over-exposure can include irritation to skin and eyes, respiratory and nasal irritation, irritability to sound or touch, abnormal facial sensation, sensation of prickling, tingling or creeping of skin, numbness, headache, dizziness, nausea, vomiting, diarrhea, excessive salivation, and fatigue. The chance of experiencing these symptoms of over-exposure with proper use is low. You should contact your physician, other medical providers, or the New Jersey Poison Information and Education System (**NJPIES**) at **1-800-222-1222** if you experience these symptoms following a pesticide spraying.

How long will Duet Dual-Action® last in the environment?

Pyrethroids have a soil half-life of 12 days. They have an extremely low pesticide movement rating because they bind tightly to the soil. Pyrethroids are unstable in light and air. They rapidly degrade in sunlight at the soil surface and in water. Piperonyl butoxide has a soil half-life of approximately 4 days.

Where can I get more information on this adulticide?

The following are resources for more information regarding **Duet Dual-Action®** and mosquito control in your area (unless otherwise noted, available during normal business hours):

For overall pesticide-specific information – 9:30am to 7:30pm:
National Pesticide Information Center **800-858-7378**

For pesticide health information & possible exposures – 24 hours:
NJ Poison Information & Education System **800-222-1222**

For pesticide regulation & misuse complaints:
NJDEP Pesticide Control Program **609-984-6568**

For pesticide regulation:
USEPA Region 2 Office of Pesticide Programs **732-321-6768**

For pesticide health information:
Bergen County Department of Health Services **201-634-2600**