



TO: Thomas R. Kneeland
Members of Council
City Attorney

FROM: Dottie A. Franey
Director of Public Service and Engineering

DATE: February 2, 2018

SUBJECT: Report to Council, February 12, 2018

ACTION ITEMS FROM THE DIRECTOR OF ENGINEERING

There are no action items from the Director of Engineering.

ACTION ITEMS FROM THE DIRECTOR OF PUBLIC SERVICE

ACTION ITEM # 1 – Request an Ordinance for Supplemental Appropriations and Authorization to Transfer Funds: Research Rd. and Blatt Blvd. have 11 mercury vapor street lights that were installed in the late 70's that can no longer be repaired due to obsolete materials. Currently, 6 of the 11 street lights are no longer working and require complete replacement of the luminaire. The outage has brought up safety concerns among the businesses in the area. To expedite the replacement of the luminaires money appropriated within the General Fund for streetlights was used to pay for the replacements. However, the lights are located within the Central Park TIF District and as a result the Central Park TIF may repay the General Fund for the cost of the luminaires.

We are respectfully requesting an ordinance for a supplemental appropriation in the amount of \$5,891 from the unappropriated/unencumbered balance of the Central Park TIF Fund 224.708 to Central Park TIF – Transfer to General Fund 224.708.5930 and authorization for the Finance Director to transfer the funds.

Requested Legislation and Funding

- **Legislation Needed:** Ordinance
- **Emergency/Waiver:** n/a
- **Name & Address:** n/a

- **Already Appropriated (Amounts & Accounts):** n/a
- **Supplemental/Transfer (Amounts & Accounts):** \$5,891 from the unappropriated/unencumbered balance of the Central Park TIF Fund 224.708 to Central Park TIF – Transfer to General Fund 224.708.5930 and authorization for the Finance Director to transfer the funds.

Action Item #2 – Request an Ordinance for Supplemental Appropriations:

Upon approval and posting of action item #1, the funds transferred to the General Fund should be appropriated for streetlights.

I am respectfully requesting an ordinance for supplemental appropriations in the amount of \$5,891 from the unappropriated/unencumbered balance of the General Fund 101 to Public Service – Street Lights 101.140.5214.

Requested Legislation and Funding

- **Legislation Needed:** Ordinance
- **Emergency/Waiver:** n/a
- **Name & Address:** n/a
- **Already Appropriated (Amounts & Accounts):** n/a
- **Supplemental/Transfer (Amounts & Accounts):** \$5,891 from the unappropriated/unencumbered balance of the General Fund 101 to Public Service – Street Lights 101.140.5214.

ACTION ITEM #3 – Official Payments Online Bill Pay Agreement

Addendum: In 2016, Ordinance 0025-2016 authorized an Agreement between Official Payments and the City of Gahanna for online payment services. This Agreement authorized Official Payments to charges a flat \$4.75 per credit/debit card transaction. While we had concerns that the transaction fee was too high for residential accounts, it was the lowest of the four online pay providers that supplied us with prices.

The implementation of the online pay option has been delayed as it is waiting for us to first implement new software. That delay seems to have benefited our customers in that Official Payments has agreed to charge separate fees for residential and commercial customers. The change will allow residential accounts to pay online with a credit/debit card for a flat fee of \$3.50 instead of \$4.75. Commercial accounts will pay a fee of 1.2% of the payment amount.

We are respectfully requesting an ordinance authorizing acceptance of the addendum to this Agreement. As we are in the midst of configuring the online pay option with Official Payments and would like to minimize any further delay, we respectfully ask that this ordinance be passed as emergency with a waiver of second reading.

Requested Legislation and Funding

- **Legislation Needed:** Ordinance
- **Emergency/Waiver:** We respectfully ask that this ordinance be passed as emergency with a waiver of second reading.

- **Name & Address:** Official Payments, 705 Westech Dr., Norcross, Georgia 30092
- **Already Appropriated (Amounts & Accounts):** n/a
- **Supplemental/Transfer (Amounts & Accounts):** n/a

ACTION ITEM #4 – MORPC Local Government Energy Partnership

Benchmarking Program – Pilot Project: The following two paragraphs are from MORPC’s webpage that describes their Local Government Energy Partnership program:

“The Local Government Energy Partnership serves as the nexus among our local governments and member organizations, the utilities serving these areas, and the residents and businesses that call Central Ohio home. Utilizing a data-driven approach, we provide our members with the information, planning and technical assistance necessary to meet their energy needs.

The first phase of this program offers energy benchmarking services for MORPC members. Utilizing a tool developed by JadeTrack, local communities can establish the energy baseline for their buildings, track energy usage and trends over time, and identify opportunities for improvements that can save taxpayer dollars.”

Gahanna is one of the MORPC communities who has agreed to participate in the pilot program for MORPC’s Local Government Energy Partnership Benchmarking Program. Gahanna will be working with MORPC’s energy consultant, JadeTrack, to utilize their energy benchmarking software to compare our energy use and document reductions in energy use as we move forward. Our experience throughout the process will help MORPC make any necessary revisions prior to a full rollout to all MORPC communities.

The first step in this pilot program is execution of a Memorandum of Understanding (MOU) between Gahanna, MORPC and JadeTrack. There is no cost to Gahanna for the utilization of JadeTrack’s basic software for this program which ends December 31, 2020. This MOU does not tie Gahanna to utilizing this software after 2020 and we can withdraw with 30 days written notice. Exhibit B of the MOU references some Add-On Services that are available for the costs referenced. It is not necessary for Gahanna to utilize any of the add-on services and a separate agreement would need signed if Gahanna wanted to utilize add-on services.

Requested Legislation and Funding

- **Legislation Needed:** Ordinance
- **Emergency/Waiver:** n/a
- **Name & Address:** MORPC, 111 Liberty St., Suite 100, Columbus, OH 43215 and JadeTrack, Inc., 1275 Kinnear Rd., Columbus, OH 43212
- **Already Appropriated (Amounts & Accounts):** n/a
- **Supplemental/Transfer (Amounts & Accounts):** n/a

UPDATES

2018 Paper Shredding and Electronic Recycling Event – Event will take place on April 21st in the City Hall parking lot from 9:00am-12:00pm. Ohio Mobile Shredding (OMS) will be providing the paper shredding and electronic recycling services (free of charge). The event flyer, FAQ sheet and a link to sign up to volunteer is posted on the City's website. Here is the volunteer link if any council members are interested: <http://www.signupgenius.com/go/10c0f44afa928a6fb6-2018>.

West Side Intersection Award – The West Side Intersection Project has been awarded "Innovative Project of the Year" by the Columbus Chapter of Advancing Women in Transportation. The award will be presented at the 2018 WTS Annual Awards event. Event details are provided below.

When: Thursday, February 8, 2018
Time: 5:30-8:00 P.M.
Location: The Boat House at Confluence Park
679 West Spring Street
Columbus, Ohio 43215
Cost to attend: \$15.00

City staff will be onhand to accept the award alongside Carpenter Marty Transportation for their work on this project.

Gypsy Moth Treatment – You may remember that in previous years the Ohio Department of Agriculture (ODA) has treated areas of Gahanna by spraying a 'mating disruption product' to control the spread of the Gypsy Moth. The ODA will be treating areas again in 2018. Open Houses have been scheduled in the following locations and notification letters will be sent to all residents affected by this treatment:

- Wednesday, February 7, 2018, Blendon Township Senior Center, 6330 South Hempstead Rd., Westerville, OH, from 6:00 pm to 8:00 pm.
- Thursday, February 8, 2018, Grandview Heights City Hall, 1016 Grandview Ave., Grandview Heights, OH from 6:00 pm to 8:00 pm.

A packet of information has been included with our Council Reports. You can also go to www.agri.ohio.gov and click on "Programs" and then click on "Gypsy Moth" for more information.

Changes Coming for Utility Billing in Next 90-Days (See Bill Insert Sample attachment for a preview of what the customers will receive.) –

Ø **New Software** –

Utility Billing is changing software from Sungard to MuniLink. The new software is user friendly and offers interface options for the customer.

Ø **Customer Portal** –

The Customer Portal will provide the opportunity to access account information, pay the bill, sign up for e-Bills, print current and past bills, and view billing, payment, and usage history.

Ø **Redesigned Bill** –

Our utility bill has been redesigned to be easier to read, include information needed to set up online access through a customer portal account, and to include a chart showing the customer's past water usage.

Ø **Change to Refuse Billing** –

Historically, we have billed for refuse collection in advance. This process has caused confusion with the customers and makes bill calculations more difficult than necessary. We will change to billing in arrears with the next round of bills. Basically, what will happen is that the customer will receive the next quarter's bill with no refuse charge. The refuse charge will pick back up on the following quarter's bill. The following is a sample message that will appear on the bill:

The City is changing from billing Refuse in advance to billing in arrears, as all other services are billed.

On the bill for the quarter ending 10-31-17, Refuse was billed in advance for 11-1-17 to 1-31-18.

On this bill, for the quarter ending 1-31-18, there is no charge for Refuse.

On the next bill, for the quarter ending 4-30-18, Refuse will be billed in arrears for 2-1-18 to 4-30-18.

Ø **Payment Options/Guidelines** (See Bill Back Sample attachment for a preview of the back of the new bill.) –

Utility Bills are issued quarterly. Payments may be made monthly or any other time as long as due dates are met.

Automatic Withdrawal – Checking or Savings Account

The balance due can be withdrawn from a Checking or Savings account each quarter on the due date with no fee from the City.

Online – Checking or Savings Account

Make a one-time payment with a Checking or Savings account by logging in to the Customer Portal. There is no fee from the City for this payment method.

Online – Credit or Debit Card

Make a one-time payment with a Credit Card or Debit Card by logging in to the Customer Portal. The payment processor will charge additional fees for this payment method.

By Phone – Credit or Debit Card

Make a one-time payment using a Credit Card or Debit Card by calling 1-800-487-4567. The payment processor will charge additional fees for this payment method.

By Mail

Mail a check or money order, along with the payment stub, to P.O. Box 183202, Columbus OH 43218-3202.

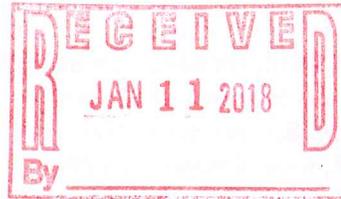
In Person

Pay your bill with Cash, Check, Money Order, or Credit or Debit Card at the Utility Billing office in City Hall at 200 South Hamilton Road, Gahanna, Ohio 43230, 8:00 AM to 5:00 PM, Monday through Friday. There is no fee from the City to pay in person, regardless of the payment method. Maximum Card payment of \$1,500.



January 8, 2018

Mayor
City of Gahanna
200 South Hamilton Rd.
Gahanna, OH 43230



Dear Mayor,

The Ohio Department of Agriculture (ODA) each year conducts an extensive trapping program across Ohio to detect growing populations of the invasive species *Lymantria dispar*, better known as the Gypsy Moth. This insect does its damage by defoliating the tree during its caterpillar life stage. A couple of years of defoliation and other environmental stresses can cause the trees to die. With over 300 species of trees and shrubs that can be affected, it is considered one of the most destructive insect pests threatening our forest and ornamental plants in Ohio. If left unchecked, Gypsy Moth infestations can grow quite rapidly. Therefore, it is vital to eliminate growing populations as soon as possible.

ODA has recently completed an analysis of Gypsy Moth populations throughout Ohio. Based on rising moth captures and/or egg mass counts within your area, we have concluded that a treatment is needed. So the ODA, in cooperation with the United States Department of Agriculture (USDA), Forest Service / Forest Health Protection / Gypsy Moth Slow the Spread Program, will be conducting a Gypsy Moth Treatment Project during the months of May and June in your area. Aerial treatment(s) of forested areas infested with the Gypsy Moth pest may begin in early to mid-May with a larvacide treatment and in mid-June, with a mating disruption treatment.

The purpose of this letter is to inform your department that this program will take place, and supply you with informational material so that your staff is well informed to answer any questions from the public.

Treatments will be made with the following:

- A single application of mating disruption product, **Splat GM Organic**. The product contains a synthetic Gypsy Moth pheromone, *disparlure*. This application will occur in early to mid-June at the beginning of the mating season. When applied to the tree canopy, the pheromone disrupts the communication between the male and female moths, preventing them from finding each other and mating. This treatment does not kill the Gypsy Moth, but reduces the population in the area for next year.

Even though scientific research shows the products used are not considered harmful to humans, residents with concerns may want to remain indoors during the treatments, but there is no requirement to do so.

All treatments will be applied from an aircraft flown approximately 50 to 100 feet above the tree tops. The exact time and date of treatment applications in your area cannot be determined in advance. The timing of treatments is dependent on insect development and environmental conditions. We will attempt to contact your department by phone or e-mail prior to the start of treatments in your area.

Information about the Gypsy Moth and the ODA Gypsy Moth Management Program are available on our website www.agri.ohio.gov, click on "Programs" then click on "Gypsy Moth Program". Copies of the fact sheets, insecticide label, MSDS, and a map of the treatment area(s) are enclosed for your reference.



Open Houses have been scheduled for the public on the following dates:

- Wednesday, February 7, 2018, Blendon Township Senior Center, 6330 South Hempstead Rd., Westerville, OH, from 6:00pm to 8:00 pm.
- Thursday, February 8, 2018, Grandview Heights City Hall, 1016 Grandview Ave., Grandview Heights, OH, from 6:00pm to 8:00pm.

Notification letters will be sent to all residents that will be affected by this treatment. The public comment period ends March 2, 2018.

If you have any questions, please contact our office at 614-728-6400 or by e-mail at adkins@agri.ohio.gov.

Sincerely,



David Adkins
Ag Inspection Manager

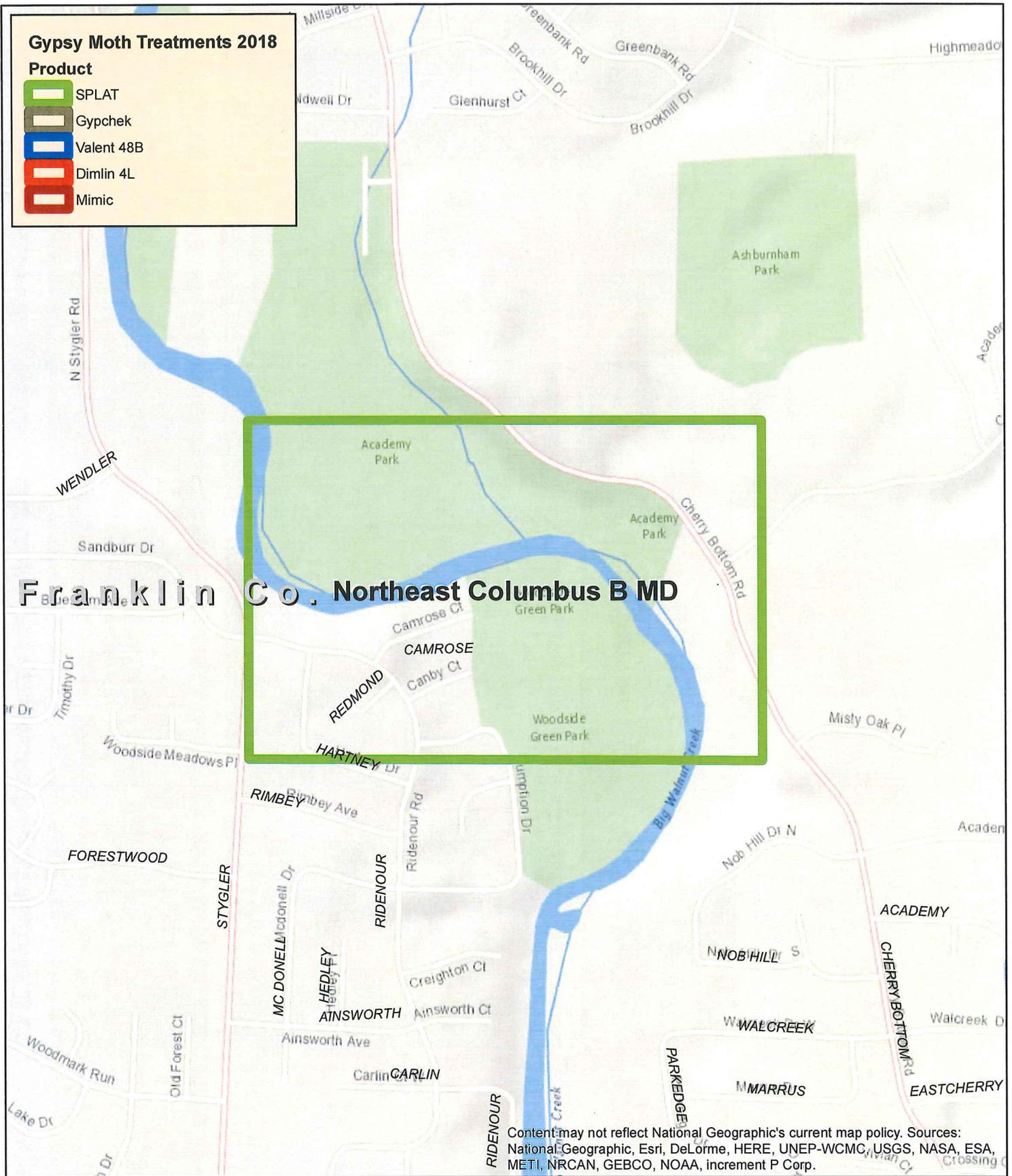
Enclosures:



Gypsy Moth Treatments 2018

Product

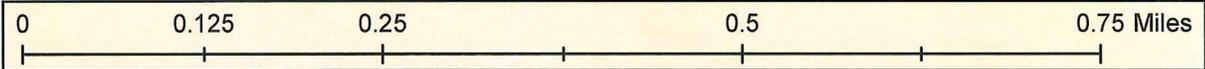
-  SPLAT
-  Gypchek
-  Valent 48B
-  Dimlin 4L
-  Mimic

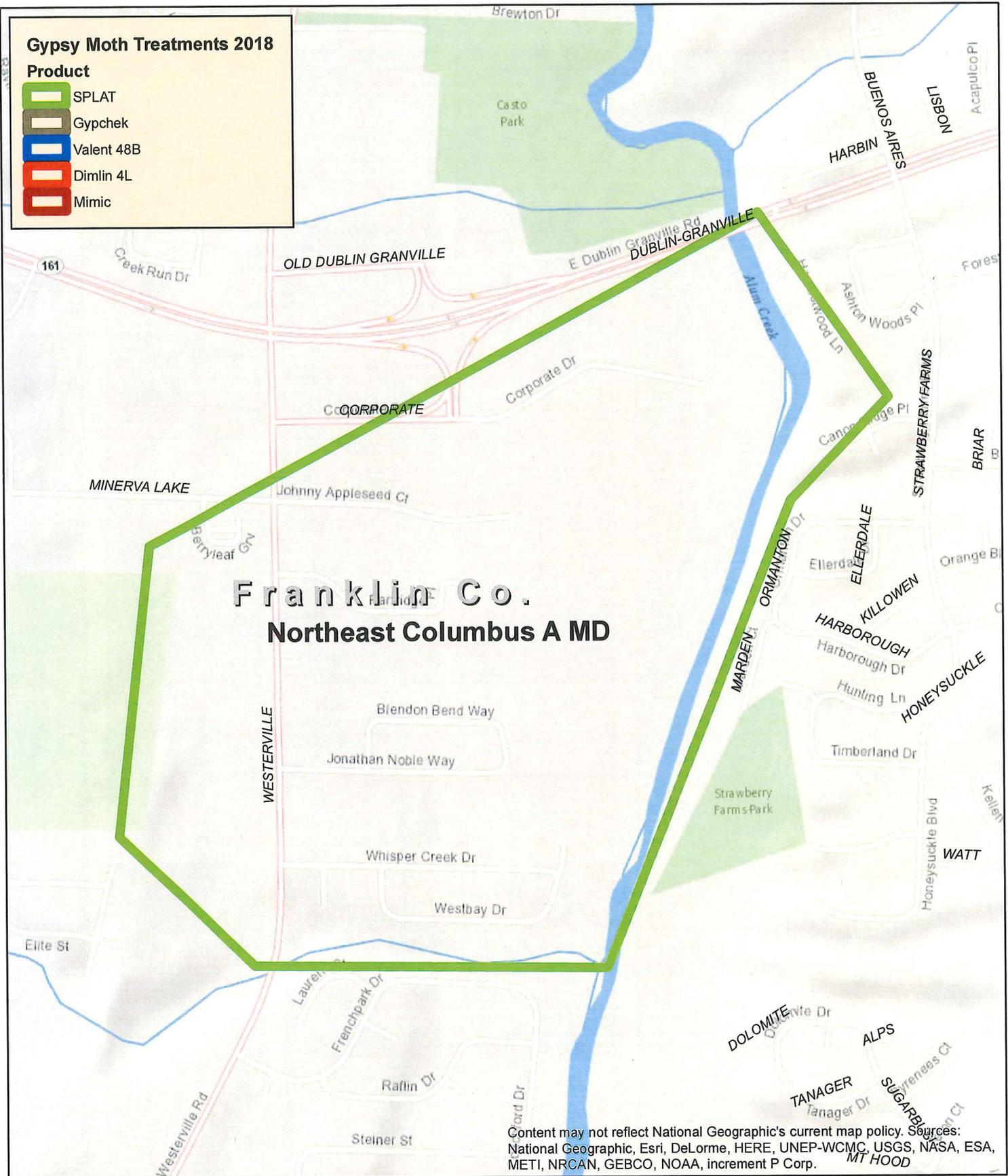


Content may not reflect National Geographic's current map policy. Sources: National Geographic, Esri, DeLorme, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.

Block Name/Program: Northeast Columbus B MD / STS
 Product/Rate/Acres: SPLAT / 6g / 116 acres
 County/Notes: Franklin Co

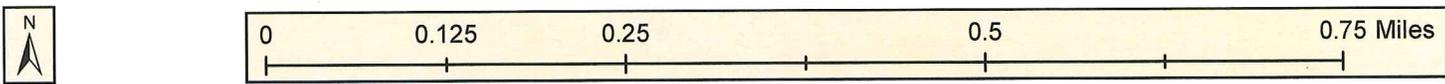
[Interactive Map: http://arcg.is/1MVmiO4](http://arcg.is/1MVmiO4)





Block Name/Program: Northeast Columbus A MD / STS
 Product/Rate/Acres: SPLAT / 6g / 233 acres
 County/Notes: Franklin Co

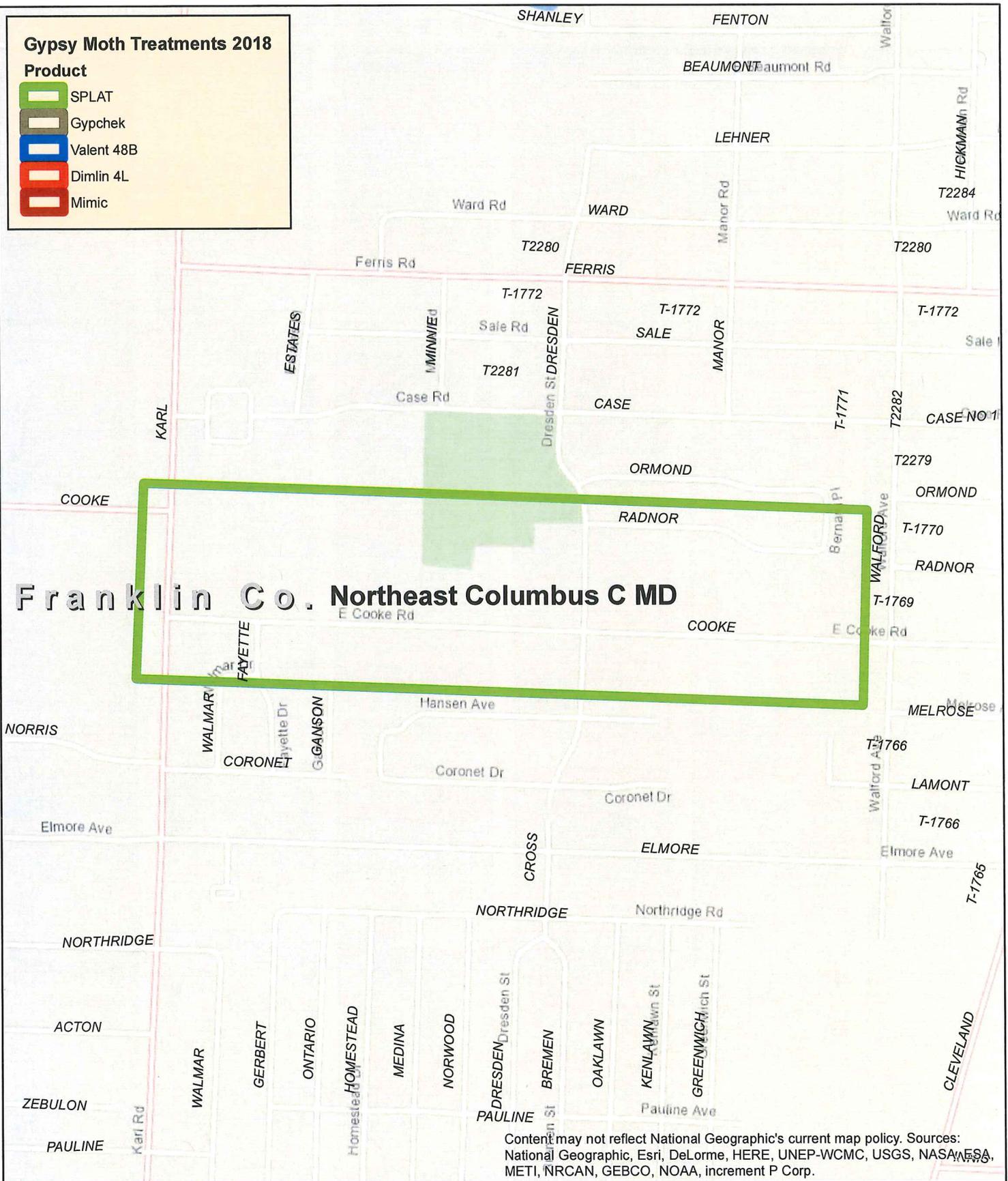
Interactive Map: <http://arcg.is/1MVmiO4>



Gypsy Moth Treatments 2018

Product

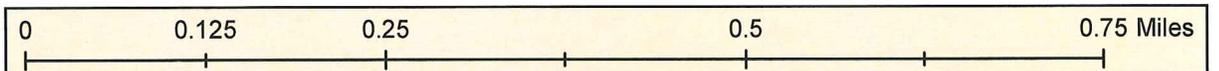
-  SPLAT
-  Gypchek
-  Valent 48B
-  Dimlin 4L
-  Mimic



Content may not reflect National Geographic's current map policy. Sources: National Geographic, Esri, DeLorme, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.

Block Name/Program: Northeast Columbus C MD / STS
 Product/Rate/Acres: SPLAT / 6g / 93 acres
 County/Notes: Franklin Co

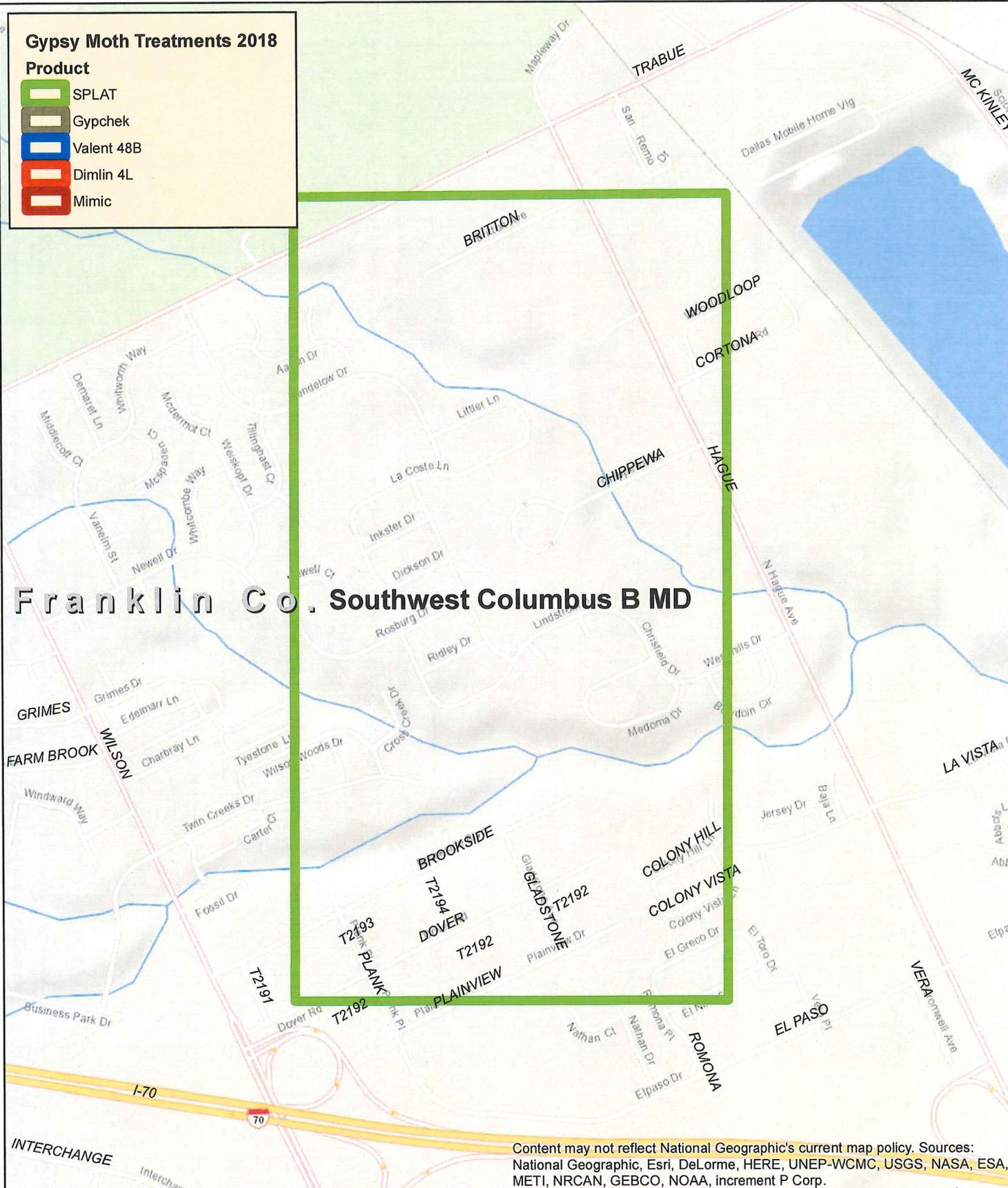
[Interactive Map: http://arcg.is/1MVmiO4](http://arcg.is/1MVmiO4)



Gypsy Moth Treatments 2018

Product

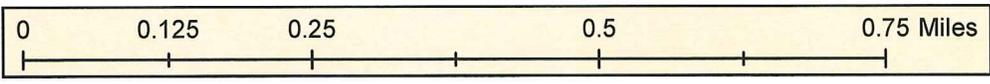
-  SPLAT
-  Gypchek
-  Valent 48B
-  Dimlin 4L
-  Mimic



Content may not reflect National Geographic's current map policy. Sources: National Geographic, Esri, DeLorme, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.

Block Name/Program: Southwest Columbus B MD / STS
 Product/Rate/Acres: SPLAT / 6g / 350 acres
 County/Notes: Franklin Co

[Interactive Map: http://arcg.is/1MVmiO4](http://arcg.is/1MVmiO4)



SPLAT[®]

GM-O

Frequently Asked Questions

What Is SPLAT GM-O?

SPLAT GM-O is an organic, biodegradable formulation for the control of Gypsy Moth (*Lymantria dispar*) using Mating Disruption. It is made entirely of food grade materials and has the consistency of hand cream. SPLAT GM-O uses pheromone, an effective and safe method to control Gypsy Moth without impacting other insects, mammals or the surrounding environment.

What Are Pheromones?

Pheromones are natural compounds that insects use to communicate, similar to the way humans use language. Applying pheromone to a field confuses the insects, removing their ability to mate and controlling populations in a completely non-lethal manner.

What Is Mating Disruption?

Mating disruption is a mechanism for insect control that utilizes species-specific pheromones to disrupt the life cycle of insects. Confusing insects and removing their ability to mate controls populations without the use of toxic chemicals.

How Will SPLAT GM-O Be Applied?

SPLAT GM-O is almost always applied aerially. Airplanes or helicopters flying 100 to 200 feet above treetops will spray SPLAT GM-O over areas where gypsy moth control is desired.



How Much SPLAT GM-O Will Be Used?

For control of Gypsy Moth, doses of active ingredient (pheromone) can range from a low of 3 grams per acre to a high of 30 grams per acre. Most frequently, it is applied at a dose of 6 grams per acre, which equates to 46 grams of SPLAT GM-O. This is less than a cup of SPLAT GM-O being spread over an acre of forest per year to control Gypsy Moth.

Is SPLAT GM-O Harmful To Humans Or Animals?

No, SPLAT GM-O is completely harmless to humans and animals. All of the ingredients in SPLAT GM-O are listed by the Environmental Protection Agency (EPA) as safe and have been approved for food use. Should you, your children and/or pets come in contact with SPLAT GM-O, simply wash the affected area with soap and water. Clothing can be cleaned with hot water and laundry detergent.

Is SPLAT GM-O Harmful To The Environment?

No, SPLAT GM-O is completely harmless to the environment. SPLAT GM-O is a biodegradable formulation specifically targeted at the Gypsy Moth. It will not affect other insects or wild life.

Is SPLAT GM-O Organic?

Yes, SPLAT GM-O is certified organic under the USDA's National Organic Program. In 2017, ISCA also expects to receive organic certification from the Organic Materials Review Institute (OMRI).

What If SPLAT GM-O Lands on My Car or Lawn?

SPLAT GM-O will not harm the paint of your car. If you notice SPLAT GM-O droplets on your car, wash it with a mild detergent and water like you would with road grime. SPLAT GM-O will not harm your lawn and will immediately start biodegradation into the soil.

SPLAT

GM-OTM

For Mating Disruption of
Lymantria dispar, gypsy moth

SPLAT (Specialized Pheromone & Lure Application Technology) is an amorphous polymer matrix for the sustained release of insect pheromones. SPLAT GM-O provides control by disrupting mating behavior.



For Organic Production

ISCA

ACTIVE INGREDIENT:**Disparlure****(Z)-7,8-Epoxy-2-methyloctadecane: 13.00%****OTHER INGREDIENTS:****87.00%****TOTAL:****100.00%****Net Contents: _____ Lbs _____ Kg****Batch Number: _____****EPA Reg. No. 80286-12****EPA Est. No. 80286-CA-004**

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID STATEMENT**IF IN EYES:**

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Wash skin immediately with soap and water, then rinse with plenty of water for 15-20 minutes.

IF SWALLOWED:

- Call poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

HOTLINE NUMBER

National Pesticides Information Center: Have the product container or label with you when calling a poison control center, doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time (NPIC Web site: www.npic.orst.edu).

See side/back panel for additional precautionary statements.

PRECAUTIONARY STATEMENTS	
HAZARDS TO HUMANS AND DOMESTIC ANIMALS. CAUTION: Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before use.	
PERSONAL PROTECTIVE EQUIPMENT (PPE): Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Follow the manufacturer's instructions for cleaning maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.	
ENVIRONMENTAL HAZARDS: For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Incidental applications to water under the forest canopy are not considered to be a direct application to water, but should be avoided if practicable. Spray valves must be shut off when passing over surface water not under the canopy. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.	
DIRECTIONS FOR USE	
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Always consult your pest control advisor, distributor or ISCA Technologies, Inc. for advice regarding the use of SPLAT GM-O.	
GENERAL	SPLAT GM-O uses the pheromone of the gypsy moth (<i>Lymantria dispar</i>), to disrupt adult moth mating and thus reduce larval damage to trees.
TARGET PEST	Gypsy Moth (<i>Lymantria dispar</i>)
AREA-WIDE CONTROL	This product is only for use in wide-area gypsy moth control programs sponsored by government entities. Areas of application include, but are not limited to: forests; residential, municipal, and shade tree areas; recreational areas such as campgrounds, golf courses, parks, and parkways; ornamental and shade trees; shelterbelts, rights-of-way; and other easements. Area-wide or wide-area application of SPLAT GM-O is most effective. The efficacy of any mating disruption strategy will be reduced by the influx of adults from surrounding areas. It is for this reason that mating disruption works increasingly well with larger acreages, where the ratio of exposed borders to overall area treated is reduced. Always make application of SPLAT GM-O in consultation with your pest control advisor, distributor, or ISCA Technologies, Inc. No intentional food uses are permitted. However, an exemption from the requirement of a tolerance is established for residues of (Z)-7,8-epoxy-2-methyloctadecane (Disparlure) on all food and feed crops that occur when it is used to treat trees, shrubs, and pastures and such use results in unintentional spray and drift to non-target vegetation including non-food, food, and feed crops.
MONITORING	Monitor for pests on a regular basis so that timely intervention with insecticides or alternative controls are possible. Use gypsy moth pheromone-baited monitoring traps made by ISCA Technologies or other suitable traps to monitor the presence of male moths, their emergence and their movement. Place monitoring traps before applying SPLAT GM-O to determine the infestation level. Continue monitoring throughout the season to evaluate efficacy and longevity of the pheromone application. Monitor treated plots for the target pest. Implement supplementary control measures if the pest population densities are above economic threshold levels.
APPLICATION TIMING	Apply SPLAT GM-O anytime in the two weeks preceding male flight and adult activity. Additional applications may be made if populations exceed the economic threshold. Consult your pest control advisor, distributor, or ISCA Technologies, Inc. for proper application timing.
APPLICATION CONDITIONS	Apply SPLAT GM-O when the ambient air temperature is above 50°F. SPLAT GM-O will cure within 3-4 hours following application, after which it will become rain fast and UV resistant. Do not apply if rain is expected within 1-2 hours of application or the temperature is outside of this range.
APPLICATION RATE	The application rate of SPLAT GM-O ranges from 23 grams to 230 grams of undiluted product per acre. This is equivalent to 3 grams to 30 grams of pheromone active ingredient (AI) per acre. Do not exceed 150 grams of AI per acre per year for multiple applications.
PREPARATION FOR USE	Always check SPLAT GM-O 24 hours before using. If SPLAT GM-O has been stored in a refrigerated area and has hardened, allow at least 48 hours at room temperature to achieve a workable consistency. Always mix SPLAT GM-O thoroughly before use: a drill with a paint mixing paddle or similar device works best. Avoid mechanical mixing with sharp blades, which come into contact with the plastic container as this can introduce shards of plastic into the SPLAT GM-O formulation, which might interfere with product flowability and application.
APPLICATION EQUIPMENT	SPLAT GM-O is applied either aerially or by ground with conventional application systems pressurized either by centrifugal pumps or positive displacement pumps, pressurized gas

	cylinders, or a combination of both. The flow of SPLAT GM-O product can be controlled with agricultural-type solenoids. Calibrate applications based on volume output and application speed and swath area treated. Do not apply this product through any type of irrigation system. SPLAT GM-O can also be applied manually using other devices like a metered dosing gun. To ensure proper application, consult your pest control advisor, distributor, or ISCA Technologies, Inc.
POINT SOURCE SIZE, PLACEMENT, AND SPACING	For ground applications, SPLAT GM-O dollop size can be varied depending on pest population and duration of control desired. A dense infestation will require a higher density of point sources to achieve optimal mating disruption. With aerial applications, there is less control over the variation in droplet size and there will be a range from approximately 300 to 2000 microns in size. When SPLAT GM-O is sprayed on the tree canopy at 46 grams per acre (6 grams AI per acre), the range in droplet size will usually be 300 to 1000 microns. This will provide area-wide, season-long management of low-density populations. To ensure proper application, please consult your pest control advisor, distributor, or ISCA Technologies, Inc.
CLEANING EQUIPMENT	Clean equipment with water and citrus or limonene detergents.
STORAGE AND DISPOSAL	
Do not contaminate water, food or feed by storage and disposal.	
PESTICIDE STORAGE	Store product sealed and refrigerated, if possible. If refrigerated, do not store with food. If refrigeration is not available, store product in a cool dry place, out of direct sunlight. Do not exceed 75°F for long-term storage. Avoid freezing. In case of leak or spill, wipe with paper towel and dispose of waste when product hardens.
PESTICIDE DISPOSAL	Wastes resulting from the use of this product may be disposed of on site or at an approved waste facility.
CONTAINER DISPOSAL	Nonrefillable container. Do not refill or reuse this container. Triple rinse (or equivalent) promptly after emptying. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.
WARRANTY AND LIMITATION OF DAMAGES	
Read all directions carefully. All statements concerning the use of this product apply only when used as directed. ISCA Technologies warrants that this material conforms to the specifications on the label and is reasonably fit for the intended purpose referred to on the label. To the extent consistent with applicable law, ISCA Technologies makes no other express or implied warranty of merchantability or fitness for a particular purpose or any other express or implied warranty.	
ISCA Technologies, Inc. 1230 Spring St., Riverside, CA, 92507 951-686-5008 www.iscatech.com	

Section 1: Identification

Product Name: Splat GM.O
Product Code: Splat GM.O

Manufacturer: ISCA TECHNOLOGIES, Inc.
1230 Spring Street
Fiverside, CA 92507
www.iscatech.com
Emergency Phone Number: 951 686 5008

Recommended Use: For the control of Gypsy Moth, *Lymantria dispar*. SPLAT GM.O uses the pheromone of the gypsy moth (*Lymantria dispar*), to disrupt adult moth mating and thus reduce larval damage to trees.

Section 2: Hazard Identification

GHS/US classification and Hazard Statement:

- H305 . May be harmful if swallowed and enters airways
- H316 . Causes mild skin irritation
- H320 . Causes eye irritation
- H333 – May be harmful if inhaled

Hazard Pictograms:



Precautionary Statements:

- P102 . Keep out of reach of children
- P103 . Read label before use
- P270 . Do not eat, drink or smoke when using this product
- P233 . Keep container tightly closed
- P264 . Wash hands, forearms, and exposed areas thoroughly after handling
- P280 . Wear eye protection, protective clothing, protective gloves
- P303+P361+P353 . IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower
- P304+P340 . IF INHALED: Remove person to fresh air and keep comfortable for breathing

- P305+P351+P338 . If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P337+P313 . If eye irritation persists: Get medical advice/attention
- P403+P233 . Store in a well-ventilated place. Keep container tightly closed
- P235 . Keep cool
- P501 . Dispose of contents/ container according to local, regional, national, and international regulations

SECTION 3: Composition/ information on ingredients

Name	CAS#	Molecular Mass	Molecular Formula	Chemical Name	GHS/US Classification
Disparlure	29804.22.6	282.50	C ₁₉ H ₃₈ O	Cs.7,8.Epoxy.2.methyloctadecane	H227, H316, H320, H335
Mixture of Wax, oil and water	Not applicable	Not applicable	Not applicable	Not applicable	H305, H316, H320, H333

SECTION 4: First aid measures

Description of first aid measures

Inhalation: Move victim to fresh air and keep comfortable for breathing.

Skin: In case of contact with substance, wash skin with soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.

Eye: IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Call poison control center or doctor for treatment advice. Do NOT induce vomiting unless told to do so by poison control center or doctor. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.

Notes to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5: Firefighting measures

Suitable Extinguishing Media: Not applicable. Splat GM.O is not flammable.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Personal Precautions: Applicators and other handlers must wear long sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Safety glasses are recommended. Follow the manufacturer's instructions for cleaning maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Environmental precautions: For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Incidental applications to water under the forest canopy are not considered to be a direct application to water, but should be avoided if practicable. Spray valves must be shut off when passing over surface water not under the canopy. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

Methods and material for containment and cleaning up: In case of leak or spill, wipe with paper towel and dispose of waste when product hardens. Clean equipment with water and citrus or limonene detergents.

Section 7: Handling and Storage

Storage: Store product sealed and refrigerated, if possible. If refrigerated, do not store with food. If refrigeration is not available, store product in a cool dry place, out of direct sunlight. Do not exceed 75°F for long term storage. Avoid freezing.

Incompatible materials: Keep away from heat, oxidizers and strong acids.

SECTION 8: Exposure controls/ personal protection

Exposure Controls:

Personal Protective Equipment: Applicators and other handlers must wear long sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Follow the manufacturer's instructions for cleaning maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Safety glasses are recommended.

General Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Section 9: Physical and Chemical Properties

Physical state:	Thick liquid, semi.solid, grease.like consistency	Specific Density:	0.93 g/cm ³ Temp: 25 °C
Odor:	Waxy, fatty	Partition coefficient n.octanol/water:	Data not available
pH:	6.88	Solubility:	Partially soluble in water
Melting point:	Data Not Available	Evaporation Rate:	Data Not Available
Boiling point:	Above 100°C	Vapor Pressure:	Data not available
Flash Point:	Not applicable. Product is not flammable		

Section 10: Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical stability: Stable under normal temperatures and pressures.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: High temperatures, sparks, open flames and live electrical circuits.

Incompatible materials: Oxidizing agents, strong acids.

Hazardous decomposition products: In case of fire oxides of carbon, fumes or vapors, soot and smoke may be produced.

Section 11: Toxicological Information

Active Ingredient:

Acute oral LD₅₀ (rat): >34600 mg/kg

Acute dermal LD₅₀ (rabbit): >2025mg/kg

Inhalation LC₅₀ (rat): >5000mg/m³

SPLAT GM (Mixture: Active Ingredient + Inert Ingredients):

Toxicological properties of this product have not been thoroughly investigated.

Section 12: Ecological Information

Data is not available.

Product should not be directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Incidental applications to water under the forest canopy are not considered to be a direct application to water, but should be avoided if practicable. Spray valves must be shut off when passing over surface water not under the canopy. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

Section 13 B Disposal Considerations

Appropriate Method of disposal: Contact a licensed professional waste disposal service to dispose of this material. This material may be burned in a chemical incinerator equipped with an afterburner and scrubber or disposed in a sanitary landfill in accordance with local, state, and federal regulations. Observe all federal, state, and local environmental regulations.

Section 14 B Transport Information

Transport in accordance with local, state and federal regulations.

Section 15 B Regulatory Information

US Classification and label Text: Indication of Danger: Irritant. Safety Statements: Keep away from heat – no smoking.
United States Regulatory information: SARA Listed: No

Section 16 B Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Isca Technologies, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. Furthermore, Isca Technologies, Inc. assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer as described in Section 1.