



January 18, 2016

City Council
City of Bexley
2242 E. Main Street
Bexley, OH 43209

Dear City Council:

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 will begin in early to mid-May with an 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, either **Disrupt II, Splat, or Bio-Flakes**. All products contain 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.

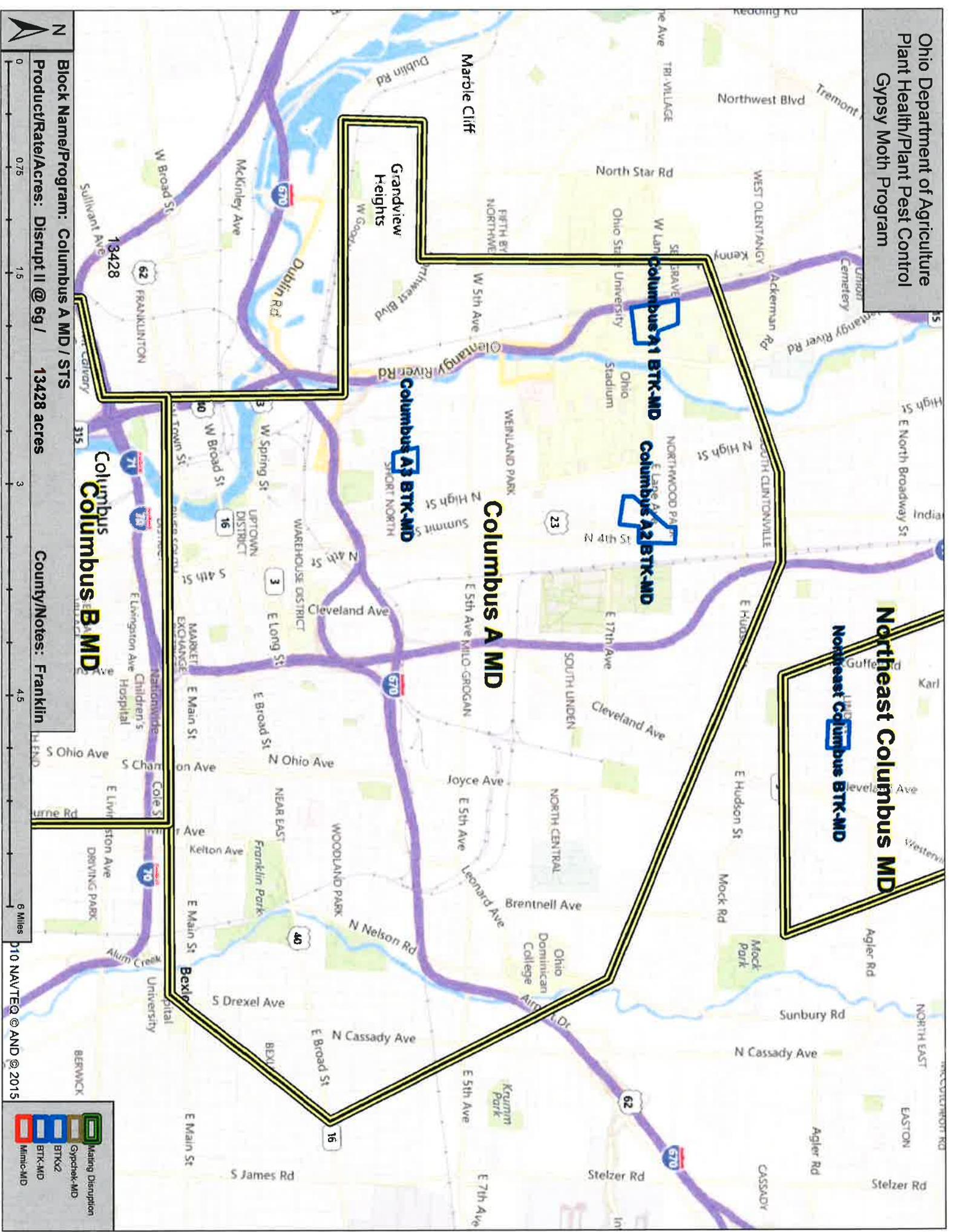
All treatments will be applied from an aircraft flown approximately 50 to 100 feet above the tree tops. Residents may want to remain indoors during the treatments until the insecticide dries on the leaves (about 30 minutes), but there is no requirement to do so.

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 when you click on "Gypsy Moth Program". Copies of the insecticide label, MSDS, and a map of the treatment area(s) are enclosed for your reference.

A Public Open House has been scheduled for **Thursday, February 11, 2016, Bexley Public Library Auditorium, 2411 East Main Street, Bexley, Ohio, 6:00pm to 8:00pm**. Due to the large size of the mating disruption treatment area, residents will be notified through local news media outlets. The public comment period ends February 29, 2016.





Block Name/Program: Columbus A MD / STS
 Product/Rate/Acres: Disrupt II @ 6g / 13428 acres
 County/Notes: Franklin

0 0.75 1.5 3 4.5 6 Miles

Maturing Disruption
 Gypsy Moth
 BTK-MD
 BTK-MD
 Mimic-MD



OHIO DEPARTMENT OF AGRICULTURE GYPSY MOTH MANAGEMENT PROGRAM

Division of Plant Health, Plant Pest Control Section
8995 E. Main St., Reynoldsburg, OH 43068 Phone: (614) 728-6400
<http://www.agri.ohio.gov/divs/plant/gypsy/gypsy-index.aspx>



Pheromone Flake Fact Sheet

Disrupt II is an aerially applied, controlled release product that emits disparlure, a synthetic gypsy moth sex pheromone. Disparlure is incorporated into plastic laminated dispenser (flakes) designed to release the pheromone over a period of 2 to 3 months, during the time of the male moth flight. When applied as directed to the tree canopy, with the use of a sticker, the product saturates the air in the treated area with a low, but affective concentration of the artificial pheromone. The pheromone emitted by the tiny 1/32" x 3/32" flakes effectively disrupts the communication between the female and male moths and prevents the male from finding and mating with the female moths. This communication disruption results in fewer mated female gypsy moths, thus suppressing the population for the next generation. In areas of low-level gypsy moth populations, it can effectively disrupt all gypsy moth mating and cause an elimination of that population. Disrupt II is specific to gypsy moth and is not harmful to any other species, including humans, threatened or endangered species, or beneficial insects and predators.

- Disparlure (chemical name: *cis*-7,8-epoxy-2-methyloctadecane) is the naturally occurring sex pheromone produced by the female gypsy moth to attract the male for mating purposes. This attractant is synthetically produced and used in the USDA, Forest Service program, Slow-the-Spread (STS), for the suppression of low-level gypsy moth populations.
- Controlled release dispenser (flakes) is a three-layered laminate manufactured by Hercon Environmental that contains the active ingredient disparlure. The flakes slowly release the pheromone over a period of 2 to 3 months, during male moth flight. The flakes are green in color and are approximately the size of this character “-”.
- Mating disruption is a technique used to control insects by masking or interfering in the communication between male and female insects. The flightless female gypsy moth emits a sex pheromone that enables male moths to find and mate with them.
- A sticker is normally used to ensure that the pheromone flake remains in the forest canopy where the gypsy moth lives.
- The application rate of 15 grams active ingredient per acre is approximately equivalent to ½ cup of flakes per acre, or 2 flakes per square foot. At the 6 gram application rate per acre, it is equivalent to a little less than a ¼ cup of flakes per acre

**HERCON®
DISRUPT® II**

GYPSE MOTH MATING DISRUPTANT
Population Suppressant

HERCON® DISRUPT® II Gypsy Moth is a controlled-release pheromone formulation designed to lower incidence of gypsy moth, *Lymantria dispar*, mating by disrupting normal male flight orientation to females. This reduction in mating will help suppress the larval (caterpillar) population that causes damage by feeding on the leaves of hardwoods and evergreens.

ACTIVE INGREDIENTS:
(Z)-7,8-epoxy-2-methyloctadecane..... 17.9 %*

OTHER INGREDIENTS 82.1 %

TOTAL 100.0 %

CONTENTS:
MINIMUM NET WEIGHT: KG| lb|*
* 8.5 kg [18.7 lb] of product will treat 50 acres at 30.4 g A.I./acre

**KEEP OUT OF REACH OF CHILDREN
C A U T I O N**

Read Directions and Precautionary Statements Before Use

| | |
|--|---|
| IF SWALLOWED: | <ul style="list-style-type: none"> • Call a 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 by a poison control center or doctor. • Do not give anything to an unconscious person. |
| IF IN EYES: | <ul style="list-style-type: none"> • 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. • Call a poison control center or doctor immediately for treatment advice. |
| IF ON SKIN: | <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor immediately for treatment advice. |
| IF INHALED: | <ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor immediately for further treatment advice. |
| <p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product, call the National Pesticide Information Center (NPIC) at 1-800-856-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time (NPIC Web site: www.npic.orst.edu). After 4:30 pm call your poison control center at 1-800-222-1222.</p> | |

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes and mouth. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco products or using the toilet. Applicators and other handlers must wear long-sleeved shirt and long pants, water-proof gloves and shoes plus socks.

ENVIRONMENTAL HAZARDS: For terrestrial uses: Do not apply directly to water or to areas where surface water is present nor to intertidal areas below the mean high water mark, except under forest canopy. Do not contaminate water when 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.

Apply this product up to two weeks before adult gypsy moth emergence. Depending on the gypsy moth population densities apply 30 gm (170 gm (6 oz) of product), 15 gm (85 gm (3 oz) of product) or 6 gm (34 gm (1.2 oz) of product) of active ingredient per application per acre. Apply 15 gm and 6 gm of active ingredient in low density gypsy moth populations. Consult your state or local authorities for determining gypsy moth population levels in your area. To ensure proper rate and method of application, make application by or under the supervision of qualified a person.

Apply a second application if adult gypsy moth emergence is extended or delayed, otherwise one application lasts the entire season. Use an inert sticker material with DISRUPT II to hold flakes on treated foliage or plant parts. The Hercon applicator is specifically designed to mix the proper amount of DISRUPT II flakes and inert sticker at the time of application. Use in areas such as forest, residential, municipal and shade tree area, recreational area such as campgrounds, golf courses, parks and parkways, ornamental, shade tree plantings, shelter belts and rights of way and other easements.

STORAGE AND DISPOSAL:

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Store in sealed containers in a cool dry place.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Plastic Bags: Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment.

Then offer for recycling if available, or dispose of bag in a sanitary landfill or by incineration or, if allowed by state or local authorities, by burning. If burned stay out of smoke. Metal Containers: [outside packaging] Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and or dispose of in a sanitary landfill, or by other procedures approved by state and local authorities

WARRANTY AND DISCLAIMER STATEMENT

To the fullest extent permitted by law, Hercon Environmental warrants that this material conforms to the chemical description on the label. Manufacturer neither makes, nor authorizes any agent or representative to make any other warranty of fitness or of merchantability, guarantee or representation, expressed or implied concerning this material. Manufacturer's maximum liability for breach of this warranty shall not exceed the purchase price of this product. Buyer and user acknowledge and assume all risks and liabilities resulting from the handling, storage and use of this material not in conformance with the label.

Made in the USA by:

Aberdeen Road Company d/b/a HERCON ENVIRONMENTAL

P. O. Box 435 Emigsville, PA 17318-0435 EPA Est. No. 8730-PA-01

EPA Reg. No. 8730-55 Questions? Call 1-866-4-HERCON

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