



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Biopesticides and Pollution Prevention Division (7511C)  
1200 Pennsylvania Avenue NW  
Washington, DC 20460

EPA Reg. Number:

8730-65

Date of Issuance:

2/24/05

Term of Issuance:

Unconditional

Name of Pesticide Product:

Hercon Disrupt MicroFlake CM

NOTICE OF PESTICIDE:

Registration  
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Aberdeen Road Company d/b/a Hercon Environmental  
P.O. Box 435  
Emigsville, PA 17318

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This registration does not eliminate the need for continual reassessment of the pesticide. If EPA determines at any time, that additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under section 3(c)(2)(B) of FIFRA.

This product is registered in accordance with FIFRA section 3(c)(5) and is subject to the following terms and conditions:

1. Make the following modifications to your label dated **FEB 24 2005** before your release your product for shipment:
  - a. Add the EPA Registration Number 8730-65 to your label
  - b. Submit five (5) copies of the revised final printed labeling before you release the product for shipment.

Signature of Approving Official:

Janet L. Andersen, Ph.D., Director,  
Biopesticides and Pollution Prevention Division

Date:

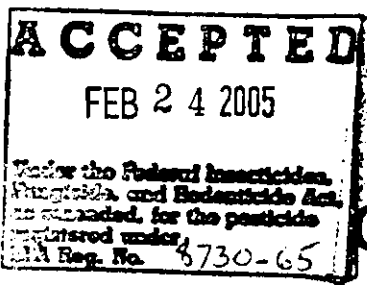
2/24/05

2/5

HERCON®  
**DISRUPT Micro-Flake® CM**  
**MATING DISRUPTANT**  
For Codling Moth, *Cydia pomonella* (L.)

Disrupt Micro-Flake CM Mating Disruptant is a behavior modifying biopesticide mating disruption product used to control infestations and damage caused by codling moth, *Cydia pomonella*, on apple, peach, pear, pecan, plum, prune, nectarine, quince and walnut trees. The codling moth mating disruptant pheromone is contained in, and released from a solid matrix laminate dispenser that can be applied using specialized air or ground equipment.

<b>ACTIVE INGREDIENT:</b>		
(E,E)-8,10-Dodecadien-1-ol	_____	4.66 %
<b>OTHER INGREDIENTS</b>	_____	95.34 %
<b>TOTAL</b>	_____	100.00 %



NET WEIGHT: 6 lb (2.724 kg) 126 grams of A.I.

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION PRECAUTION**

<b>FIRST AID STATEMENTS</b>
<b>IF SWALLOWED:</b> <ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to by a poison control center or doctor.</li><li>• Do not give anything to an unconscious person</li></ul>
<b>IF IN EYES:</b> <ul style="list-style-type: none"><li>• 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</li><li>• Call a poison control center or doctor immediately for treatment advice</li></ul>
<b>IF ON SKIN:</b> <ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor immediately for treatment advice.</li></ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may contact the National Pesticide Telecommunications Network at 1-800-858-7378 for emergency medical treatment information. Hours of operation are seven days a week, 6:30 am to 4:30 PST

**PRECAUTIONARY STATEMENTS**

## Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes and clothing. Wear protective eyewear, either goggles, face shield or shielded safety glasses. Wash thoroughly with soap and water after handling and before eating drinking chewing gum or using tobacco. Remove contaminated clothing and wash before reuse.

**Personal Protective Equipment (PPE):** Applicators and handlers must wear: long-sleeved shirt and long pants, socks, shoes, chemical resistant gloves, and protective eyewear. 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.

### User Safety Recommendations:

Users should wash hands before eating , drinking, chewing gum, using tobacco or using the toilet.

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## 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. Do not contaminate water when cleaning equipment or by disposing of equipment wash wastes.

## DIRECTIONS FOR USE

**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.**

Do not apply this product in a way that will contact workers or other persons either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) restricted entry interval and notification to workers (as applicable).. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Do not enter or allow any worker to enter into treated areas during the restricted-entry interval (REI of 4 hours). For early entry into treated areas that is permitted under the Workers Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, wear: coveralls, chemical resistant gloves, shoes plus socks and protective eyewear..

**APPLICATION:** This product is an effective tool used in the disruption of female and male moth's communication for the purposes of mating. This interference results in delaying or

reducing the incidences of mating and thereby reducing the population density for the next generation. This product is to be used on apple, peach, pear, pecan, plum, prune, nectarine, quince, and walnut trees or where codling moth a problem. The application rate of **DISRUPT MICRO-FLAKE CM** is .5 lbs to 1.5 lbs of product per acre per application. This is equivalent to 10.5 grams to 31 gm of codling moth pheromone AI per acre. Reapply **DISRUPT MICRO-FLAKE CM** after 45-75 days, or sooner as needed, based on local conditions and monitoring results and field scouting. Use in combination with supplemental codling moth sprays where populations are extremely high. Do not exceed a total application rate of 150 grams AI (7.2 lb) per acre per year.

**METHOD OF APPLICATION:** For use on apple, peaches, pear, pecan, plum, prune, nectarine, quince and walnut trees. Do not open pouches until ready to use. Do not use **Disrupt Micro-Flake CM** from damaged, punctured or unsealed bags. Apply the first **Disrupt Micro-Flake CM** treatment early in the season, just prior to the first adult codling moth emergence. Second application should be timed with the second generation flight. If more than three generations or localized elevated population densities (or hot spots) occur consult your local extension agent, Pest Consultant Advisor or distributor. This product can only be applied using the recommended modified ground or specialized aerial equipment. For best results use an approved sticker to insure the product is in the upper canopy of the tree during the application period. DO NOT use in liquid ULV pesticide sprayer. Four pieces of equipment are recommended for this application: Modified hydroseeder, or a blower such as the ARENA TURBO-TAC for ground applications and the Hercon pods for fixed winged aircraft and a modified helicopter bucket.

Monitor for infestation with a pheromone-baited trap, such as the Hercon **LURETAPE® CM LURE** and **SCOUT™ WING TRAP** monitoring system, and by visual inspection of trees and fruit. Place monitoring traps in the orchard before applying **Disrupt Micro-Flake CM**. Monitoring should begin early and continue throughout the season to help assess the effectiveness of the treatment. Monitor treatments closely, particularly for secondary pests such as leafrollers

**Ground equipment:** Use an approved sticker such as MICRO-TAC at 4-48 oz per acre to ensure product remains in the upper canopy using a modified hydroseeder or blower. Spray Micro-Flakes into the top part of the tree canopy either by angling the spray upward into the canopy for larger trees or by spraying over the tops of the trees allowing the Micro-Flakes to fall down on upper part of the canopy.

**Aerial Equipment:** Place the Micro-Flakes in the appropriate hoppers mounted on the plane. Spray Micro-Flakes into the tree canopy allowing the Micro-Flakes to fall down and through the top of the trees. For best results use an approved sticker such as MICRO-TAC at 4-16 oz per acre to ensure the product remains in the upper canopy of the tree for the application period.

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in original container in a cool dry place until used. . Reseal any unused pouches immediately after use and store in a cool dry place, preferably in a refrigerator or freezer. Do not store with food

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site according to label use directions or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state or local authorities, by burning. If burned stay out of smoke.

### WARRANTY AND LIMITATION OF DAMAGES

Hercon Environmental warrants that this material conforms to the chemical description on the label. Hercon Environmental neither makes, nor authorizes any agent or representative to make, any other warranty of fitness or of merchantability, guarantee or representation, express or implied, concerning this material. Hercon Environmental'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.

Made in the USA by:

**HERCON ENVIRONMENTAL**

Emigsville, PA 17318-0435

Questions? 866-4-HERCON

"HERCON", DISRUPT MICRO-FLAKE AND DISRUPT are registered trademarks of Aberdeen Road Company. REV 011305

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