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ABERDEEN ROAD COMPANY d/b/a HERCON ENVIRONMENTAL
DISRUPT Micro-Flake CM: Label
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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.

ACTIVE INGREDIENT:

(E,E)-8,10-Dodecadien-1-ol _____ 5.97 %

OTHER INGREDIENTS _____ 94.03 %

TOTAL _____ 100.00 %

NET WEIGHT: 44 lb (20 kg) 1194 grams of A.I.
44 lbs will treat 56 acres at 21 gm ai/ac

KEEP OUT OF REACH OF CHILDREN
CAUTION PRECAUCION

FIRST AID STATEMENTS
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 eye• 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.
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

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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 0.5 lbs (0.22 kg) to 1.5 lbs (0.68 kg) of product per acre per application. This is equivalent to 13.5 grams to 41 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 (5.5 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.

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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

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