

HERCON®

DISRUPT MICRO-FLAKE® MCH BARK BEETLE ANTI-AGGREGANT FLAKES

HERCON DISRUPT MICRO-FLAKE® MCH is a controlled-release pheromone formulation designed to lower the incidence of attacks by certain bark beetle species, including Douglas-fir beetle (*Dendroctonus pseudotsugae*), on tree stands.

ACTIVE INGREDIENT:

3-methyl-2-cyclohexene-1-one..... 12.50%*

OTHER INGREDIENTS 87.50%

TOTAL 100.00%

CONTENTS:

MINIMUM NET WEIGHT: 26.5 lb [12 kg]*

* 26.5 lb [12 kg] product will treat 5 acres (2 hectares) at 300 gm A.I./acre (750 gm A.I./ha)

KEEP OUT OF REACH OF CHILDREN

C A U T I O N

C U I D A D O

Read Directions and Precautionary Statements Before Use

FIRST AID:
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, and 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, and then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor immediately for further treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also 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 pm PST.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed, absorbed through skin, or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes and clothing. Wear protective eyewear either goggles, face shield or shielded safety glasses. Wear chemical resistant gloves. Wash thoroughly with soap and water after handling. 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. Spray valves must be shut off when passing over surface water not under the 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.

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 State or Tribal 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 the label about personal protective equipment (PPE) and the 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 workers or handlers may be in the area during application. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow any worker entry 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, water, wear: coveralls, chemical resistant gloves, shoes plus socks and protective eyewear.

APPLICATION: DISRUPT MICRO-FLAKE® MCH is an effective management tool for certain bark beetles on various tree species. Methlycyclohexanone (MCH) is an anti-aggregation pheromone that when applied in the Micro-Flake form can protect susceptible host trees from infestation by Douglas-fir beetle (*Dendroctonus pseudotsugae*). Tree species include but are not limited to Douglas fir, Englemann spruce, and other spruce tree species.

Apply **DISRUPT MICRO-FLAKE® MCH** prior to beetle flight at the rate of 5.3 lb of product (300 gm active ingredient) per acre or 6.0 kg of product (750 gm a.i.) per hectare with one application per beetle flight. Two applications are necessary if trap catches and visual assessment indicate the beetle flight has continued beyond two months since the first flake application. Use in areas such as forests, tree plantations, and nurseries; residential, municipal, and shade tree areas; recreational areas such as campgrounds, golf courses, parks and parkways, and ornamental tree plantings; shelter belts and rights of way and other easements. **Consult your local forest pest management expert before applying this material. To ensure proper rate and method of application, make application by or under the supervision of a qualified or experienced person.**

METHOD OF APPLICATION: Do not open pouches until ready to use. Do not use **DISRUPT MICRO-FLAKE® MCH** from damaged, punctured or unsealed bags. Apply **DISRUPT MICRO-FLAKE® MCH** on large plots of at least 10 acres or more with treated buffers to avoid edge effects.

Monitor for infestations using the Lindgren Funnel Trap and appropriate beetle attractants and by visual inspection.

Apply **DISRUPT MICRO-FLAKE® MCH** using ground or aerial equipment.
Ground Equipment: Hand-held fertilizer spreaders can be used for ground application of **DISRUPT MICRO-FLAKE® MCH** on small isolated wood lots.
Aerial Equipment: Fertilizer spreaders appropriate for use on fixed wing aircraft or helicopters can be used to apply **DISRUPT MICRO-FLAKE® MCH** on large areas. Do not allow drift from application site to contact non-target crops.

STORAGE AND DISPOSAL:

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

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

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

CONTAINER DISPOSAL: Plastic bag: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned stay out of smoke. Do not reuse empty bag.

WARRANTY AND LIMITATION OF DAMAGES

Hercon Environmental warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the Directions for Use under normal conditions of use to the extent allowed by state law. Hercon 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 except as stated above. This warranty does not extend to the use of this product contrary to the label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Hercon Environmental. If this product is defective, Buyer's exclusive remedy shall be the replacement of the product, or if replacement is impracticable as determined by Hercon, refund of the purchase price. To the extent allowable by law, Hercon's maximum liability for breach of this warranty shall not exceed the purchase price of this product. In no case will Hercon be liable for incidental, consequential or special damages resulting from handling, storage, use, misuse or abuse of this product.

Made in the USA by:

HERCON ENVIRONMENTAL
Emigsville, PA 17318-0435

EPA Reg. No. 8730-72
EPA Est. No. 8730-PA-01

Questions? Call Toll-Free: 1-866-4-HERCON

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