

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



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

EPA Reg. Number: 8730-80

Date of Issuance: MARCH 20 2013

Term of Issuance: UNCONDITIONAL

Name of Pesticide Product: Hercon® Disrupt Bio-Dispenser DFB

NOTICE OF PESTICIDE:

XX Registration Re-registration (under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Priscilla Maclean
Hercon Environmental
P.O. Box 435
Emigsville, PA 17318-0435

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 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 product is unconditionally registered in accordance with FIFRA Sec. 3(c) provided you:

- 1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the following label change before you release the product for shipment: Revise the EPA Registration Number to read, "EPA Reg. No. 8730-80".
3. You must submit an acceptable Guideline Study: OCSPP 830.6317 (Storage and Stability) and OCSPP 830.6320 (Corrosion Characteristics) within 12 months from the date of this registration notice.
4. Submit three (3) copies of the revised final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA Section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

[Handwritten Signature]

Date: 20 March 2013

CONCURRENCES

Table with columns for SYMBOL, SURNAME, and DATE, containing handwritten entries for 7511P and signatures of Cole and Maclean.

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ACCEPTED

Hercon Disrupt Bio-Dispenser DFB Label
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MAR 20 2013

HERCON®

Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended, for
the pesticide registered under
EPA Reg. No. 8730-30

DISRUPT *BIO-DISPENSER™* DFB
MCH REPELLENT

For the Douglas Fir and Spruce Bark Beetles

HERCON Disrupt BIO-Dispenser™ DFB is a hand applied controlled-release pheromone formulation designed to protect individual trees or tree stands from bark beetle attacks. The anti-aggregation pheromone, MCH, is contained in a slow release dispenser. This product is for non-food crop, outdoor use only.

ACTIVE INGREDIENT:

3-Methyl-2-Cyclohexen-1-one	5.44%*
OTHER INGREDIENTS	94.56%
TOTAL	100.00%

NET CONTENTS: _____

* Each dispenser contains 0.400 grams (0.01oz) of MCH

BATCH CODE _____

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 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 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 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.
<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 1-800-858-7378 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, absorbed through skin, or inhaled. Causes moderate eye and skin irritation. Avoid contact with skin, eyes and clothing. Avoid breathing vapor. Avoid contact with contents of dispenser. Do not puncture dispenser. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

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.

ENVIRONMENTAL HAZARDS: For terrestrial uses: Except under the forest canopy, 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 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.

APPLICATION: This product is an effective management tool for certain bark beetles on Douglas Fir and Spruce trees. The active ingredient, 3-Methyl-2-Cyclohexen-1-one, MCH, is an anti-aggregation pheromone or repellent that can protect susceptible host trees by deterring Douglas fir and Spruce beetle attacks.

Do not open product bags until ready to use. Open product bags in a well-ventilated area. Do not use **DISRUPT BIO-Dispenser DFB** from damaged, punctured or unsealed bags.

Timing: Place dispensers in the field at least 2 weeks before beetle flight. Expected longevity of the dispensers is 50-60 days depending on weather conditions. Second treatment recommended during extended beetle flight.

Host Trees: Use on tree stands containing a significant number of both fallen and standing Douglas fir and Spruce trees and stumps. Use on trees in forested areas.

Target Pests: The active ingredient in this controlled release product, MCH, is an anti-aggregate pheromone for the Douglas fir beetle (*Dendroctonus pseudotsugae*), and the Spruce beetle (*Dendroctonus rufipennis*). Disrupt Bio-Dispenser DFB will reduce the amount of beetle attacks on susceptible host trees.

Place by stapling the tab on the capsule on the north side of the tree on trees over 8 inches in diameter at 6-12 feet in height. Staple only the tab and not the capsule containing the MCH so that the dispenser lays flat against the tree.

Application Rates

Individual Trees: Deploy dispensers at least 2 weeks before beetle flight. Place 1 or 2 dispensers on each tree, the number depending on the risk of attack. For large trees add 1 more dispenser for each additional 8 inches in diameter placed at least 3 feet above the previous dispenser. Therefore a 16 inch diameter tree in a high risk area will have a total of 3 dispensers with 2 dispensers placed at 6-12 feet and an additional dispenser at 9-15 feet height.

Tree stands less than 2.5 acres: Place 1 dispenser on all trees over 8 inches in diameter, place 2 dispensers on all trees over 8 inches in diameter when the risk of attack is high.

Tree stands over 2.5 acres: Apply in a grid pattern at a minimum rate of 40 Disrupt Bio-Dispensers DFB per acre (100/hectare). For low to moderate beetle pressure place one dispenser per tree in a grid pattern with 32 foot centers. Maximum dose is 80 dispensers per acre (250/hectare) in high to extreme beetle pressure. Staple one dispenser per tree in a grid pattern with 23 foot centers. For best results when using this product, remove and destroy all beetle-infested trees in treatment area before application.

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Monitor for infestations using appropriate beetle attractants and traps and/or by visual inspection. Because there are many considerations when using this product (population densities, proximity, size and rate of growth of an infestation, stand age and compositions, elevation, climate, local weather) inexperienced users are advised to consult a professional forest entomologist or their State Forestry Agency for guidance.

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: Non-refillable container. Do not refill or reuse this container. 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. Cardboard Box: [when used as outer packaging] Non-refillable container. Do not refill or reuse this container. Dispose of outside cardboard box 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

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
P.O. Box 435
Emigsville, PA 17318-0435

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

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

"HERCON®", "DISRUPT" is a registered trademark and "BIO-Dispenser™" is a trademark of Aberdeen Road Company, Emigsville, PA