

8730-79

04/09/2013

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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:  
8730-79

Date of Issuance:  
APR 09 2013

Term of Issuance: **UNCONDITIONAL**

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

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)(5) provided that you:

1. Submit and/or cite all data required for registration/re-registration of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the follow label change before you release the product for shipment: Revise the EPA Registration Number to read, "EPA Reg. No. 8730-79".
3. A one year study is required to satisfy the storage and stability and corrosion characteristics requirements (Guidelines 830.6317 and 830.6320). You have 18 months from the date of registration to provide these data.
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:

Date:

09 Apr / 2013

CONCURRENCES

SYMBOL									
SURNAME	Keith A. Matthews, Director							7511P	7511P
DATE	Biopesticides and Pollution Prevention Division (7511P)							COLE	Mind/m
	EPA Form 857046							4/3/13	09 Apr 13

HERCON®

DISRUPT *BIO-DISPENSER™* BB

VERBENONE REPELLENT FOR BARK BEETLES

For Control of the Mountain Pine Beetle, Southern Pine Beetle and Western Pine Beetle

HERCON Disrupt BIO-Dispenser™ BB is a hand applied controlled-release pheromone formulation designed to lower the incidence of certain bark beetle attacks on individual trees or tree stands. The anti-aggregation pheromone, verbenone, is contained in a slow release dispenser. This product is for non-food crop use only.

ACTIVE INGREDIENT:

4,6,6-trimethyl-bicyclo (3.1.1) hept-3-en-2-one.....	40.01%*
OTHER INGREDIENTS .....	59.99%
TOTAL .....	100.00%

NET CONTENTS: \_\_\_\_\_

\* Each dispenser contains 6.76 grams (0.24 oz.) of verbenone

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:	
<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.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing.</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>
<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 INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor immediately for further treatment advice.</li> </ul>
<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: <a href="http://www.npic.orst.edu">www.npic.orst.edu</a>). After 4:30 pm call your poison control center at 1-800-222-1222.</p>	

ACCEPTED

APR 09 2013

Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for  
the pesticide registered under  
EPA Reg. No. 8730-79

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if swallowed, absorbed through skin or inhaled. Causes moderate eye and skin irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. 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 pine. The active ingredient, 4,6,6-trimethyl-bicyclo (3.1.1) hept-3-en-2-one, verbenone, is an anti-aggregation pheromone or repellent that can protect susceptible host trees by deterring 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 BB** from damaged, punctured or unsealed bags.

**Host Trees:** Use on tree stands containing lodgepole pine (*Pinus contorta*), ponderosa pine (*P. ponderosa*), whitebark pine (*P. albicaulis*), loblolly pine and other pines that are susceptible to bark beetles

**Target Pests:** The active ingredient in this controlled release product, verbenone, is an anti-aggregate pheromone for the mountain pine beetle (*Dendroctonus ponderosae*), Southern Pine Beetle (*Dendroctonus frontalis*) and Western Pine Beetle (*D. brevicomis*).

**Tree Stands Application Rate:** Deploy dispensers before beetle flight. Apply in a grid pattern at a rate of 20-40 Disrupt Bio-Dispensers per acre. Staple the dispenser 6-12 feet above the ground and on the north side of the tree. Be sure to staple the tab in the back of the capsule and not the capsule itself. Use in areas such as forest; suburban, municipal and shade tree areas, recreational areas such as campgrounds, golf courses, parks and parkways; ornamental, shade tree forest plantings; shelter belts and rights of way, and other easements. This method of control can be most effective in reducing lethal levels of infestations when less than 15% of mature pines are currently attacked and used in combination with other control methods e.g. sanitation harvesting and falling and burning infested trees.

**Individual Trees:** Deploy dispensers before beetle flight. Apply once per season by attaching (stapling) to trunks of individual trees at rate of 1-2 Disrupt Bio-Dispensers per tree at a height of 6 and 12 feet. If applying to trees greater than 14 inches in diameter (measured at breast height) use 4 Disrupt Bio-Dispensers and place two of the dispensers at 12 feet and the other two at 6 feet on all 4 directions alternating the heights.

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.

**PESTICIDE 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-TO  
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

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