



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

May 12, 2021

Angela M. Coco
Product Development Engineer
HERCON ENVIRONMENTAL
Aberdeen Road, P.O. Box 435
Emigsville, PA 17318-0435

Subject: Pesticide Registration Improvement Act (PRIA) Labeling Amendment – Add new 500mg and 1000mg unit sizes.
Product Name: Hercon Disrupt MCH HA
EPA Registration Number: 8730-83
Application Date: 10/20/2020
OPP Submission Number: 1058917
OPP Case Number: 00144572

Dear Ms. Coco:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. The alternate brand names “HERCON® DISRUPT® MCH XL” and “HERCON® DISRUPT® MCH 2XL” have been added to the product’s records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 § CFR 152.3.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section

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12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Sydnie Hetzel by email at hetzel.sydnie@epa.gov or Andrew Bryceland by email at Bryceland.andrew@epa.gov.

Sincerely,



Linda Hollis, Branch Chief
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

HERCON®
DISRUPT® MCH HA
BARK BEETLE ANTI-AGGREGANT

Alternate brand names (ABN) for lure:

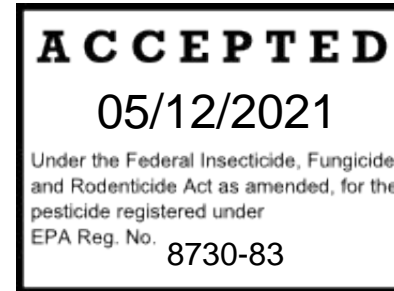
“HERCON® DISRUPT® MCH BARK BEETLE ANTI-AGGREGANT”

“HERCON® DISRUPT® MCH”

“HERCON® DISRUPT® MCH STRIPS”

“HERCON® DISRUPT® MCH XL”

“HERCON® DISRUPT® MCH 2XL”



{Note to reviewer: the ABN “HERCON® DISRUPT® MCH XL” is intended specifically for the 500mg dispenser. The ABN “HERCON® DISRUPT® MCH 2XL” is intended specifically for the 1000mg dispenser.}

Master Label Includes:

- Main label
- Optional label claims

EPA Reg. No. 8730-83

Made in the USA by:

Aberdeen Road Company d/b/a HERCON
ENVIRONMENTAL

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

EPA Est. No. 8730-PA-01

Questions? 866-4-HERCON

®“HERCON” is a registered trademark of
Aberdeen Road Company, Emigsville, PA.

MAIN LABEL

HERCON®
DISRUPT® MCH HA
BARK BEETLE ANTI-AGGREGANT
[/ABN]

HERCON DISRUPT® MCH HA [/ABN] 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.

[Size options]
 [40 dispensers (400 mg) per dispenser]
 [40 dispensers (500 mg) per dispenser]
 [20 dispensers (1000 mg) per dispenser]

ACTIVE INGREDIENT:

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

OTHER INGREDIENTS87.50%

TOTAL 100.00%

CONTENTS: [20][40] dispensers

One dispenser contains [400 mg][500 mg][1000 mg] of active ingredient

MINIMUM NET WEIGHT:

[0.11 oz. (3.2 g)/ 400 mg dispenser][4.5 oz. (128 gm/package) *]
 [0.14 oz. (4.0 g)/ 500 mg dispenser][5.6 oz. (160 gm/package)*]
 [0.27 oz. (7.7 g)/ 1000 mg dispenser][5.4 oz. (154 gm/package) *]

* One package contains [20][40] MCH dispensers to treat one acre.

Batch Code _____

KEEP OUT OF REACH OF CHILDREN

C A U T I O N

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. 	
Hotline Number	
<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 manipulate dispenser, such as by cutting or tearing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

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 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: 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.

DISRUPT® MCH HA [/ABN] is an effective management tool for certain bark beetles on various tree species. Methcyclohexenone (MCH) is an anti-aggregation pheromone that when applied using a controlled-release dispenser can protect susceptible host trees from infestation by Douglas-fir beetle (*Dendroctonus pseudotsugae*). Tree species include but are not limited to Douglas fir, Engelmann spruce, and other spruce tree species. Do not open the package containing dispensers until ready to use. Do not use DISRUPT® MCH HA [/ABN] from damaged, punctured or unsealed packages.

APPLICATION:

Timing: Place dispensers in the field before beetle flight. Expected longevity of the dispensers

is 50-60 days depending on weather conditions. Disrupt MCH HA [/ABN] is most effective when it is applied before beetles begin to fly and attack trees in the Spring. However, if it is applied early in the flight season, but after beetles have initiated attacks on a few trees, it may still reduce the number of trees that are killed within the treated area. Beetle flight in a typical year occurs late April, early May. Disrupt MCH HA [/ABN] applied by the third week in April should be effective in protecting trees and will last throughout the beetle flight. A second treatment is recommended during an extended beetle flight.

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

Target Pests: The active ingredient in this controlled release product is an anti-aggregant pheromone for the Douglas-fir beetle (*Dendroctonus pseudotsugae*).

Application: Determine the size of the area to be treated and calculate the number of dispensers needed (See Application Rates below). Place the dispensers in the treatment area by stapling the dispenser on the north side of the tree or on snags, or hang dispenser from branches using a clip. Protect the dispenser from direct sunlight. Place the dispenser on the tree so that it lays flat against the trunk or object. A visual indicator such as a colored flagging strip or other marker may be used when deploying or removing dispensers to distinguish between new and old treatments. The indicator may be attached to or near the dispenser. Manipulating the dispenser such as by tearing or cutting may not be used as a visual indicator.

Application Rates

Individual Trees: For individual trees and areas 1 acre or less, place [[two 400mg][two 500 mg] dispenser[s] [on] [opposite sides of each][the] tree][one 1000 mg dispenser on each tree]. For trees larger than 24 inches dbh,

place [four 400mg][four 500mg][two 1000 mg] dispensers per tree equidistantly around the bole at a height easy to reach (i.e. 6-8 feet).

Tree stands less than 2 acres: Place dispensers evenly around the perimeter of the treated area. Space the [400mg][500mg][1000mg] dispensers approximately [30][15] feet apart. This will result in a dose close to [30][15] dispensers/acre.

Tree stands more than 2 acres: Rate of application is [30-40][15-20] dispensers per acre. Place the dispensers in a grid pattern about [35-40][17.5-20] feet apart. Dispensers are usually placed on a tree, but if there are breaks in the tree stand, dispensers can be placed on fence posts, snags, shrubs or other objects such as stumps or logs as low as 1-2 feet above the ground to maintain proper spacing for the treatment area. Place at a height that applicators can easily reach (i.e. 6-8 feet).

For best results when using this product, remove and destroy all beetle-infested trees in treatment area before application. In most cases [40][20] dispensers/acre ([75][36]/hectare) is sufficient. However, if it is deemed necessary to increase the number of dispensers, [80][40] dispensers/acre ([250][125]/hectare) is the maximum dose. Use a second treatment as needed. Re-treat each year when Douglas-fir beetle infestations are likely.

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. Monitor for infestations by visual inspection of the tree trunks.

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 away from heat. If possible, store in a freezer until ready to use.

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 or paper foil bag: Non-refillable container. Do not refill or reuse this container. Completely empty bag. Then dispose of empty bag in a sanitary landfill or, if allowed by state and local authorities, by burning. If burned stay out of smoke. Do not reuse empty bag.

Expiration date _____

Not for sale or use after _____
(9 months after manufacturing date)

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 consistent with applicable 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 to the extent consistent with applicable law. To the extent consistent with applicable law, Buyer's exclusive remedy for defective product shall be the replacement of the product, refund of the purchase price. To the extent consistent with applicable 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:
Aberdeen Road Company d/b/a
HERCON ENVIRONMENTAL
P.O. Box 435
Emigsville, PA 17318-0435

EPA Reg. No. 8730-83
EPA Est. No. 8730-PA-01

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

{Note to reviewer: Where label may indicate multiple application rate options, such as “[30-40] [15-20] dispensers per acre”. In this example, the “15-20 dispensers per acre” applies to the 1000 mg dispenser and “30-40 dispensers per acre” applies to either the 400 mg or 500 mg dispenser sizes. The 1000 mg dispenser is applied at half the rate of the 400 mg or 500 mg dispenser. The 1000 mg dispenser product is intended to reduce application labor.}

Optional Claims

- Disrupt MCH Hand Applied (HA) [/ABN] will reduce the amount of Douglas fir beetle attacks on susceptible host trees.
- Disrupt MCH Hand Applied (HA) [/ABN] is a controlled released pheromone dispenser
- Protects your Douglas-Fir trees [and spruce trees].
- Effective repellent for the control of Douglas-Fir Beetle.
- Anti-aggregation Pheromone.
- Releases pheromone during the entire beetle flight & is cost effective.
- Works by using the beetle's own pheromone against itself.
- Pheromone application can help to prevent the build-up of fatally damaging beetle population concentrations on high value trees and in important forested areas.
- Provide a controlled-release of the pheromone used by Douglas fir bark beetles to signal others of the species to avoid trees or forest areas already occupied by high beetle populations.
- These products function as an anti-aggregant signaling “No Vacancy” to invading bark beetles seeking suitable host trees to infest, thereby causing them to avoid the treated trees or tree stands.
- Multiple application rate options.
- 1000 mg dispensers may reduce application labor.
- [400 mg][500 mg][1000 mg] dispensers continuously release pheromone for 50 to 60 days.
- [No sprays][.][!][.][No mess][.][!][.][Easy to use][.][!]