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HERCON®

DISRUPT MICRO-FLAKE® VBN
Bark Beetle Anti-Aggregation
Slow Release Generator

HERCON DISRUPT MICRO-FLAKE VBN Bark Beetle Anti-Aggregation is a controlled-release pheromone formulation designed to lower the incidence of certain bark beetle attacks on tree stands. Apply using modified equipment for aerial and ground application.



CAUTION POISON
CAUTION – EYE IRRITANT

GUARANTEE: Verbenone.....15.33%

Warning, contains the allergen soy

COMMERCIAL

REGISTRATION NO. 29520 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1-20 Kg

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL BEFORE USING

Made in USA by
Aberdeen Road Company d/b/a
HERCON ENVIRONMENTAL
P.O. Box 435
Emigsville, PA 17318
(717) 764-1192

HERCON®

**DISRUPT MICRO-FLAKE® VBN
Bark Beetle Anti-Aggregation**

DIRECTIONS FOR USE

This product is an effective management tool for certain bark beetles on pine. The active ingredient, verbenone, is an anti-aggregation pheromone that when applied in the Micro-Flake form can protect susceptible host trees from bark beetle attack. Use on tree stands containing lodgepole pine (*Pinus contorta*), ponderosa pine (*Pinus ponderosa*), whitebark pine (*Pinus albicaulis*), jack pine (*Pinus banksiana*) and other pines that are host to mountain pine beetle (*Dendroctonus ponderosae*) and red turpentine beetle (*Dendroctonus valens*). Use in areas such as forest, residential, 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. Monitor for infestation using multiple funnel traps and appropriate beetle attractants. To ensure the proper rate and method of application, make application by or under the supervision of a qualified person.

METHOD OF APPLICATION: Do not open pouches until ready to use. Do not use Hercon Disrupt Micro-Flake VBN from damaged, punctured or unsealed bags. Apply this product using Hercon approved modified ground or aerial equipment only. Four pieces of equipment are recommended for this application: modified hydroseeder, a blower such as the ARENA TURBO-TAC for ground applications, Hercon pods for fixed wing aircraft, and fertilizer spreader for both fixed wing and helicopter aircraft.

INDIVIDUAL TREES: Apply 100 g of Hercon Disrupt Micro-Flake VBN (15 g verbenone) per tree in one application per season. Using a Hercon approved modified hydroseeder or blower, spray individual trees to a height of 7 metres with a mixture that includes an inert sticker (such as Micro-Tac), Hercon Disrupt Micro-Flake VBN, a thickener (such as Micro-Thic) and water to hold the flakes on the tree trunk and other plant parts.

TREE STANDS: Apply 2.4 to 8.2 kg of Hercon Disrupt Micro-Flake VBN (375-1250 g verbenone) per hectare in one application per season.

Ground equipment: When treating small forested areas or campgrounds, use the modified blower to broadcast flakes without sticker.

Aerial equipment: Place the Hercon Disrupt Micro-Flake VBN in the appropriate hoppers mounted on the plane or helicopter. Spray Hercon Disrupt Micro-Flake VBN into the tree canopy allowing the product to fall down and through the tops of the trees. Hercon Disrupt Micro-Flake VBN can be applied with or without the sticker depending on the area and stand classification.

ENVIRONMENTAL HAZARDS

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift from treated areas. As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

During loading, application, clean-up or repair of equipment, personnel should wear an appropriate respirator, chemical resistant gloves, coveralls, goggles or face shield, long-sleeved shirt, long pants, shoes, and socks. Harmful if swallowed or absorbed through skin. Causes mild eye irritation. Avoid inhaling/breathing dust or fumes. Avoid contact with skin, eyes and clothing. Wash hands thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not open protective pouch until ready to use. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

FIRST AID:

IF SWALLOWED:

Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a physician or poison control centre. Do not give anything to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

IF IN EYES: 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 centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention."

TOXICOLOGICAL INFORMATION: Treat symptomatically

STORAGE

Store in a cool dry place.

- DISPOSAL:**
1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
 2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
 3. Make the empty container unsuitable for further use.
 4. Dispose of the container in accordance with provincial requirements.

5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

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