



safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco 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 water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or by disposing of equipment wash wastes.

**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 and Tribal agency responsible for pesticide regulation.

**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 this label about personal protective equipment (PPE) and the restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow any worker to enter 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 or water, wear: coveralls, chemical resistant gloves, shoes plus socks and protective eyewear.

**APPLICATION:** This product is an effective tool used in the disruption of female and male moth communication for the purposes of mating. This interference results in delaying or reducing the incidences of mating and thereby reducing the population density for the next generation. This product is to be used on several species of pine trees from damage caused by Western pine shoot borer. The application rate of **DISRUPT MICRO-FLAKE WPSB** is 0.3 lbs (136 gm) to 0.7 lbs (331 gm) of product per acre per application. This is equivalent to 8 grams to 20 gm of western pine shoot borer pheromone (AI) per acre. Reapply **DISRUPT MICRO-FLAKE WPSB** after 45-75 days, or sooner as needed, based on local conditions and monitoring results and field scouting. Use in combination with supplemental codling moth sprays where populations are extremely high. Do not exceed a total application rate of 150 grams AI (5.5 lbs or 2.5 kg) per acre per year.

**METHOD OF APPLICATION:** This product is an effective tool to help manage the Western pine shoot borer, the Eastern pine shoot borer and the ponderosa pine shoot borer in forested areas containing the following tree species: Ponderosa pine (*Pinus ponderosa*), Lodgepole pine (*P. contorta*), Jeffrey

pine (*P. Jeffreyi*), Eastern White Pine (*P. strobes*), Western White Pine (*P. monticola*), Red Pine (*P. resinosa*), Scots Pine (*P. sylvestris*), Pitch Pine (*P. rufida*) and other species of trees damaged by these pine shoot borers.

Do not open pouches until ready to use. Do not use **DISRUPT MICRO-FLAKE WPSB** from damaged, punctured or unsealed bags. Apply the first **DISRUPT MICRO-FLAKE WPSB** treatment early in the season, just prior to the first adult emergence. Consult your local extension or forestry specialist for timing of moth emergence. Apply this product only by using modified ground or specialized aerial equipment. For best results use an approved sticker to insure the product is in the upper canopy of the tree during the application period. **DO NOT** use in liquid ULV pesticide sprayer. Four pieces of equipment are needed for this application: Modified hydroseeder, or a blower such as the **ARENA TURBO-TAC™** for ground applications and the Hercon pods for fixed winged aircraft and a modified helicopter bucket.

Monitor for infestation with a pheromone-baited trap, such as the Hercon **LURETAPE® WPSB LURE** and **SCOUT™ WING TRAP** monitoring system, and by visual inspection of trees for shoot tip damage. Place monitoring traps in the treatment area before applying **DISRUPT MICRO-FLAKE WPSB**. Begin monitoring early and continue throughout the season to help assess the effectiveness of the treatment. **Ground equipment:** Use an approved sticker such as **MICRO-TAC™** at 4-48 fl. oz per acre to insure product remains in the upper canopy using a modified hydroseeder or blower. Spray **DISRUPT MICRO-FLAKE WPSB** into the top part of the tree canopy either by angling the spray upward into the canopy for larger trees or by spraying over the tops of the trees allowing the product to fall down on the upper part of the canopy.

**Aerial Equipment:** Place **DISRUPT MICRO-FLAKE WPSB** in the appropriate hoppers mounted on the plane or into a modified helicopter bucket. Spray the product into the tree canopy allowing the Micro-Flakes to fall down and through the top of the trees. For best results use an approved sticker such as **MICRO-TAC™** at 4-16 fl. oz per acre to ensure the product remains in the upper canopy of the tree for the application period.

#### **STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in original container in a cool dry place until used. Reseal any unused bags immediately after use and store in a cool dry place, preferably in a refrigerator or freezer. Do not store with food.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site according to label use directions or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state or 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**

Emigsville, PA 17318-0435

Questions? 866-4-HERCON REV 011806

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