

# BEETLEBLOCK MCH

A REPELLANT PHEROMONE PRODUCT FOR CONTROL OF THE DOUGLAS-FIR BEETLE  
*Dendroctonus pseudotsugae*

**ACTIVE INGREDIENT**

3-methylcyclohex-2-en-1-one.....99.50%

**OTHER INGREDIENT**.....0.50%

TOTAL 100.00%

Each dispenser contains 400 milligrams of pheromone.

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

SEE BACK PANEL FOR FIRST AID STATEMENTS  
READ ALL DIRECTIONS BEFORE USING THIS PRODUCT

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Apdo. 159-2150  
San Jose, Costa Rica

EPA Registration No. 73813-1

EPA Est. No. 73813-CR-1

NET WEIGHT: \_\_\_\_\_ Grams

10 Dispensers containing 400 mg of pheromone per dispenser  
100 Dispensers containing 400 mg of pheromone per dispenser  
500 Dispensers containing 400 mg of pheromone per dispenser

Batch Number:

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Do not puncture liquid reservoir. Prior to use, open shipping bag in a well ventilated area and allow accumulated vapors to vent. Liquid is harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact of the liquid or vapors with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the bathroom.

**FIRST AID**

**IF LIQUID IS ON SKIN OR CLOTHING:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call poison control center or doctor for treatment advice.

**IF VAPORS ARE INHALED**

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

**IF LIQUID IS SWALLOWED**

- Call 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 do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**IF LIQUID OR VAPORS ARE IN EYES**

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses if present; after 5 minutes, then continue rinsing eye.
- Call poison control center or doctor for treatment advice.

Have product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical advice.

**ENVIRONMENTAL HAZARDS**

For terrestrial uses: Do not apply directly to water or 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.**

1. **CROP:** Douglas-fir, Spruce
2. **PEST:** Douglas-fir beetle [*Dendroctonus pseudotsugae*]  
Spruce beetle [*Dendroctonus rufipennis*]

3. **APPLICATION RATE:**

BEETLEBLOCK-MCH dispensers are for use in tree stands containing a significant proportion of Douglas-fir or spruce trees. Place BEETLEBLOCK-MCH on trees over 8 inches in diameter on north face of tree at 6-12 feet above ground. Staple into flashing being careful not to puncture reservoir.

Individual trees and area 1 acre or less:

Place 4 BEETLEBLOCK-MCH on each tree depending on risk of attack and size of tree. For trees over 24 inches diameter, add 1 more BEETLEBLOCK-MCH for each additional 8 inches in diameter.

Forested stands over 1 acre:

Minimum dose – BEETLEBLOCK-MCH / acre. For low to moderate beetle pressure, place 1 BEETLEBLOCK-MCH / tree in a grid pattern with 32 ft centers or 2 BEETLEBLOCK-MCH dispensers / tree in a grid pattern with 45 ft centers or 3 BEETLEBLOCK-MCH dispensers / tree in a grid pattern with 55 ft centers.

Maximum dose – 80 BEETLEBLOCK-MCH / acre. For high to extreme beetle pressure, place 1 BEETLEBLOCK-MCH / tree in a grid pattern with 23 ft centers or 2 BEETLEBLOCK-MCH / tree in a grid pattern with 32 ft centers or 3 BEETLEBLOCK-MCH / tree in a grid pattern with 40 ft centers.

4. **TIMING:** Deploy BEETLEBLOCK-MCH at least two weeks prior to the expected attack flight of the beetles. BEETLEBLOCK-MCH dispensers emit effective amounts of MCH for 60 days.
5. **NOTES:** [i] For best results, remove all beetle-infested trees on property before application. Consider use of pheromone traps on perimeter to reduce population pressure.  
[ii] Treating larger areas gives a geometrical advantage in so far that Douglas-fir beetles repelled from an area endeavor to fly out of the repellent treated area and the larger the treated area, the more Douglas-fir beetles exhaust and die during flight.

### STORAGE AND DISPOSAL STATEMENTS

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

**PESTICIDE STORAGE:** Store in original container, in cool, dry area at 75°F (25°C) or below.

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

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill the container. Place empty bag in trash.

### WARRANTY

ChemTica Internacional, warrants that this product conforms to the chemical description on the label, ChemTica Internacional neither makes nor authorizes any agent or representative to make any other warranty of fitness or of merchantability, guarantee or representation, express or implied, concerning this material. ChemTica Internacional's maximum liability for breach of this warranty shall not exceed the purchase price of this product. Buyer and user acknowledge and assume all risks and liabilities resulting from the handling, storage and use of this product.