# Pine Beetle Repellent

## Verbenone Pouch

**ACTIVE INGREDIENT:**

4,6,6-trimethyl-bicyclo (3.1.1) hept-3-en-2-one*..............95.6%

**OTHER INGREDIENTS:**

Other ingredients:....................................................4.4%

**TOTAL:**.................................................................100.0%

*Each pouch contains 6.76 grams of Verbenone

### KEEP OUT OF REACH OF CHILDREN

## CAUTION

Prior to use, open storage bag in a well ventilated area and allow any accumulated vapors to vent.

## DIRECTIONS FOR USE

**APPLICATION DIRECTIONS**

**Host Tree Stands:** Stands containing pine trees, including: limber, loblolly, lodgepole, pinyon, ponderosa, shortleaf, Virginia, western white pine, white, whitebark, or pine trees of any species. Use on trees in forests; municipal and shade tree areas; recreational areas such as campgrounds, golf courses, parks and parkways; ornamental and shade tree plantings; suburban areas; and rights of way and other easements.

**Pests:** Verbenone is an antiaggregation pheromone for the mountain pine beetle (*Dendroctonus ponderosae*), the southern pine beetle (*Dendroctonus frontalis*), the western pine beetle (*Dendroctonus brevicomis*), and other bark beetles. Verbenone Pouches deter attack in tree stands and protect susceptible trees.

**Application Rate:**

In tree stands, place in a grid pattern by stapling individual pouches 6 – 12 feet above the ground on the north face of susceptible trees. Use a minimum of 20 pouches per acre. The product is most efficacious when less than 15% of mature pines are currently attacked and when combined with direct control tactics, e.g. sanitation harvesting or falling and burning of infected trees.

**For individual living trees, staple one pouch at maximum reach from the ground on the north face, or two pouches, one at 6 feet and one at 12 feet above ground on the north face.**

**Timing:** Apply pouches when callow adults are first found under the bark, usually May-June for mountain pine beetle. The expected life span of the pouch is 60 – 120 days, weather dependent. Treatment is usually site-specific, depending on such factors as proximity, size and rate of growth of an infestation, stand age and composition, aspect, elevation, latitude, climate, local weather and integration with other control tactics. Inexperienced users are advised to seek guidance from a professional forest entomologist.

### FIRST AID

**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 center or doctor for treatment advice.

**If on skin or clothing**

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

**If swallowed**

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

**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 center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact your poison control center at 1-800-222-1222 for emergency medical treatment information.

**NOTICE:** To the extent consistent with applicable law, the buyer assumes all responsibility for safety and use not in accordance with directions.

### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in sealed storage bag in a cold, dry place. Store below 32°F (0°C) or as cold as possible.

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

**Container Disposal:** Nonrefillable container. Do not reuse or refill empty bags. Place empty bag in trash.

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**Manufactured by:** ISCA Technologies, Inc.
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**EPA Reg. No.:** 80286-33
**EPA Est. No.:** 80286-CA-004

**Net Contents:** 100 pouches
**Batch/Lot Number:**
Pine Beetle Repellent Verbenone Pouch

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KEEP OUT OF REACH OF CHILDREN - CAUTION
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See box for complete instructions

Label Size in Sq In                             3.72 SQ in
Signal Word: All Caps                       8PT
KEEP OUT OF REACH OF CHILDREN  8PT
MINIMUM Font size (all copy)       6PT