**Pine Beetle Repellent Verbenone Pouch**

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

**OTHER INGREDIENTS:**
.................................................... 4.4%

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

*Each pouch contains 6.76 grams of Verbenone

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed or absorbed through skin, or inhaled. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Causes moderate eye and skin irritation. Avoid contact with skin, eyes, and clothing. Avoid breathing vapor. Avoid contact with contents of pouch. Do not puncture pouch. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

**ENVIRONMENTAL HAZARDS**

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark, except under forest canopy. Do not contaminate water when disposing of equipment washwaters or rinsate.

**KEEP OUT OF REACH OF CHILDREN - CAUTION**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**APPLICATION DIRECTIONS**

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

**Host Tree Stands:** Stands containing pine trees, including: limber, loblolly, lodgepole, pinyon, ponderosa, shortleaf, Virginia, western whitepine, 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 roads of way and other easements.

**Posts:** Verbenone is an antiagregation 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 felling and burning of infected trees.

For individual living trees, staple one pouch at 60 – 120 days, weather dependent.

**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:** 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.

**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.

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