

# SPLAT<sup>VERB</sup>

## Product Use Guide

### **SPLAT Verb repels Mountain Pine Beetles (MPB), *Dendroctonus ponderosae*, from pine trees (*Pinus* spp.)**

SPLAT Verb is an environmentally friendly repellent that provides sustained and controlled release of the verbenone anti-aggregation pheromone. Verbenone is naturally produced by MPB and several other species of bark beetle towards the end of a mass attack. The presence of verbenone signals to new MPB approaching the infested tree that it is already too overcrowded to serve as a suitable host. By applying SPLAT Verb to a healthy and uninfested tree, host-seeking MPB will identify the tree as undesirable and leave it unharmed.

### **Before Applying SPLAT Verb**

- \* Remove all trees infested with MPB before spring beetle flight.
- \* If trees cannot be removed from site, destroy them by burning, if permitted.
- \* Read the complete product label and these instructions.

### **When applying SPLAT Verb, applicators and handlers must wear the following Personal Protective Equipment (PPE):**

Applicators and handlers must wear:

- \* Long-sleeved shirt
- \* Long pants
- \* Socks & shoes
- \* Waterproof gloves
- \* Hard hat



### **When to use SPLAT Verb**

Apply SPLAT Verb two to three weeks prior to the beginning of MPB flight (normally from May through June).

### How to Use SPLAT Verb for Area-wide Treatments

For area-wide treatments of SPLAT Verb, 20 trees per acre will be treated. Before the actual application, complete the following:

- \* Determine which 20 trees within each one acre plot will be treated.
- \* The 20 trees should be as evenly distributed across the one-acre plot as possible.
- \* Mark each tree that will be treated with flagging tape. The SPLAT Verb will be applied at a height of six feet. If possible, place the flagging tape at just under six feet, this will save time in measuring for the application height.



Size of treatment area	Number of trees to treat	Amount of SPLAT Verb to use
One acre	20	1400 grams (one tube contains 750 grams)

### Treating Individual Trees within the Area

#### The Basics

- \* Each tree receives 70 grams of SPLAT Verb divided into four separate application sites, called point sources, of about 17.5 grams each.
- \* A 17.5 gram point source will be approximately 2½ inches in diameter and ¼ inch thick.
- \* The four point sources should be evenly spaced around the circumference of the tree trunk. Think of the point sources as being located on the north, south, east and west sides of the tree.
- \* Each application will be placed at a height of six feet.

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### Preparing to Apply SPLAT Verb



Cut the sealing cap off of the SPLAT Verb caulking tube.



Cut applicator tip 1 1/2 inches from base (at the point where the ridges end).



Screw the applicator tip onto the SPLAT Verb tube and place tube into a large caulking gun (contractor size).

### Applying SPLAT Verb to the tree



Beginning on the north side of tree, place the tip of the caulking gun squarely against the bark of tree at a height of six feet. Dispense a disc-shaped point source of approximately 2 1/2 inches in diameter and 1/4 inch thick.



The correct size and shape of the SPLAT Verb point source can be achieved by not pulling back on the caulking gun during application and by spreading out the point source with the application tip using a circular motion.

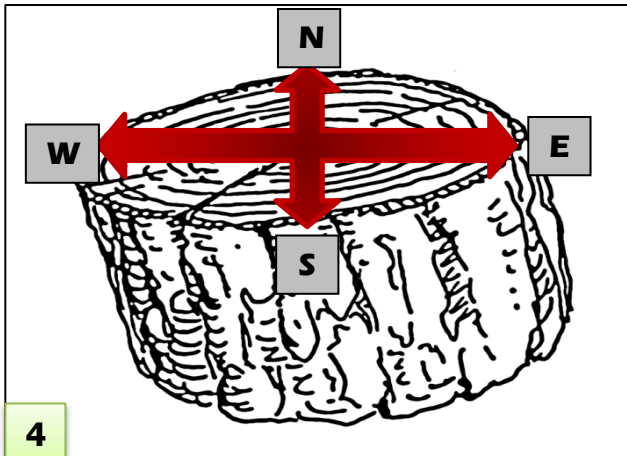
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Repeat Step 1 on the south, east and west sides for a total of four point sources per tree.



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The four point source locations of SPLAT Verb should be evenly distributed around the tree trunk. Using compass points to determine the location will ensure accurate distribution of SPLAT Verb.



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Apply four point sources of SPLAT Verb per tree for a total of 20 trees per acre.

### Additional Information

#### Longevity

- ✳ The field life of SPLAT Verb averages 16 weeks and in most cases, re-application of SPLAT Verb will not be necessary.

#### Active Ingredient

- ✳ The active ingredient (AI) in SPLAT Verb is verbenone.
- ✳ Each caulking tube contains 10% AI.
- ✳ Each tree will receive 7.0 grams of AI per application.
- ✳ Do not exceed more than 150 grams of AI (1.5 kg of SPLAT Verb) per acre per year.