



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

July 15, 2025

Julie Porter  
Director of Regulatory Compliance  
AMVAC Chemical Corporation  
4695 MacArthur Court, Suite 1200  
Newport Beach, CA 92660

Subject: Label Amendment—Clarify Marketing Language as Optional to Allow Flexibility on the End Use Label in Case Certain Applications are Excluded  
Product Name: TRE-HOLD SPROUT INHIBITOR FOR RESIDENTIAL USE  
EPA Registration Number: 5481-460  
Application Date: September 29, 2023  
Case Number: 491056

Dear Ms. Porter:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

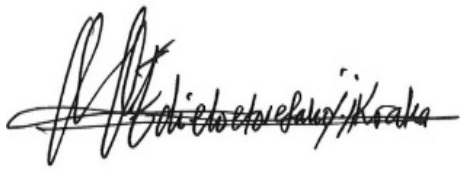
Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find

or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Ernest Kraka at [kraka.ernest@epa.gov](mailto:kraka.ernest@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Ernest Kraka", with a stylized flourish at the end.

Ernest Kraka, Ph.D., Biologist/Risk Manager  
Fungicide and Herbicide Branch  
Registration Division 7505T  
Office of Pesticide Programs

Enclosure

{Note to reviewer: Text in curvy brackets { } indicate a note to the EPA reviewer and will not appear on the label. Text in brackets [ ] is optional, and may or may not appear on the end use label. Text in parentheses ( ) will appear on the end use label.}

# TRE-HOLD® SPROUT INHIBITOR FOR RESIDENTIAL USE

## ACTIVE INGREDIENT:

Ethyl 1-Naphthaleneacetate ..... 1.15%

**INERT INGREDIENTS:** ..... 98.85%

**TOTAL:** ..... 100.00%

Ethyl 1-Naphthaleneacetate equivalent 0.089 lb. ai/gallon.

## KEEP OUT OF REACH OF CHILDREN

## CAUTION

FIRST AID	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>Immediately call a poison control center or doctor.</li> <li>Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>Do not give any liquid to the person.</li> <li>Do not give anything to an unconscious person.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
EMERGENCY INFORMATION	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY</b>	
For Medical Emergencies phone:.....1-888-681-4261	
For Transportation Emergencies, including spill, leak or fire, phone: CHEMTREC®.....1-800-424-9300	
For Product Use Information phone : AMVAC®.....1-888-462-6822	

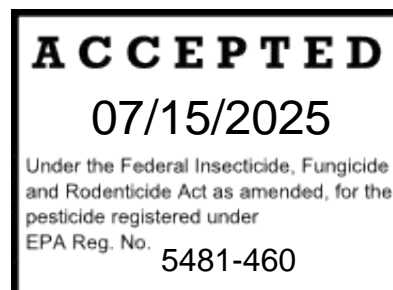
See [inside] [side] [back] [panel] [booklet] [canister] [label] [attached] [to] [pouch] [bag] [seal] [pack] for [complete] [additional] [First Aid] [Precautionary Statements] [and] [Directions for Use] [and] [Storage and Disposal]

EPA Reg. No. 5481-460

Net Contents: \_\_\_\_\_

EPA Est. No. \_\_\_\_\_

{Note to reviewer: The following are optional logos; If multiple logos are listed, the AMVAC logo must be larger demonstrating the owner of the product}



[Distributed by or Manufactured for:]  
AMVAC Chemical Corporation  
4695 MacArthur Court, Suite 1200  
Newport Beach, CA 92660 USA  
1-888-462-6822

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## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed or inhaled. Causes eye and skin irritation. Avoid contact with eyes, skin or clothing.

### User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

## ENVIRONMENTAL HAZARDS

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area.

## PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

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## 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 any person, or pet, either directly or through drift. Keep people and pets out of the area during application. Do not apply Tre-Hold® Sprout Inhibitor For Residential Use (hereafter referred to as Tre-Hold Sprout Inhibitor) through any type of irrigation system. Do not allow people or pets to enter the treated area until sprays have dried

{NOTE TO REVIEWER: [bracketed text] appearing in the Directions for Use will be omitted when the product is sold in a pump spray only.}

Proper pruning of young non-bearing trees promotes the growth and development of strong, well-spaced branches that can support more larger sized fruit, resist wind and ice damage, improve spray penetration for better insect and disease control and improve light penetration for better fruit set, size and color. Non-bearing citrus sprout vigorously from the rootstock and from pruning cuts made on hard wood branches. Tre-Hold Sprout Inhibitor controls sprouting from pruning cuts, trunks and rootstocks. Tre-Hold Sprout Inhibitor is a ready-to-use product. Do not allow Tre-Hold Sprout Inhibitor to contact buds or foliage as injury may result. Mix thoroughly before using.

## RESTRICTIONS

- Do Not use on plants grown for sale.
- Do Not use for commercial use.
- Do Not use for seed production.
- Do Not use for research purposes.

### FOR USE ON APPLES AND PEARS

The maximum single application for apples and pears is 3 fl oz (0.0021 lb ai) of product per 1000 sq ft.

The maximum annual application for apples and pears is 9 fl oz (0.0063 lb ai) of product per 1000 sq ft.

The minimum retreatment interval is 5 days.

If the maximum rate is applied, the maximum number of applications in a year is 3.

### Precaution

Injury and stand loss will occur to trees applied with Tre-Hold Sprout Inhibitor less than one year old.

### Restriction

Do not treat any tree that is not vigorous, healthy, and free from stress.

### **New Plantings**

Apple and pear trees, healthy, vigorous and free from stress, may be treated after planting when the trees show established growth. Remove sprouts and follow the application procedures described below. Do not apply to non-established or stressed trees as injury and stand loss will result.

### **Established Plantings — Scaffold Limbs**

Prune existing sprouts and treat during the dormant season. Thoroughly cover area where existing sprouts were removed but restrict treatment to the cut surfaces and 2 to 3 inches of the surrounding area. [Apply Tre-Hold Sprout Inhibitor with a brush or small hand-held, pump-up type sprayer. Use low pressure (not to exceed 25 psi) to] avoid fine spray particles from drifting or splashing on surrounding fruiting wood or buds.

Do not treat scaffold limbs after bud activity starts in the Spring. There has been some fruit size reduction on Golden Delicious and Anjou pears from excessive treatments to scaffold limbs on older, weaker trees. To minimize the chance of injury, limit treated areas to 10 percent of the total bark area of the tree. Do not treat weak trees, and do not repeat applications on the same tree for at least one year.

### **Trunk and Basal Sprouts and Root Suckers**

Prune existing sprouts and apply Tre-Hold Sprout Inhibitor during the dormant season prior to green tip stage or during the summer pruning season when the new shoots are 6 to 12 inches in height. The later applications have been the most effective. On bearing trees do not treat suckers during bud swell, bloom or fruit set. This period is from the start of growth to 4 weeks after petal fall. Application during this time can result in excessive thinning.

[Apply Tre-Hold Sprout Inhibitor with a brush, small hand-held sprayer or backpack sprayer. For large projects, power operated low-pressure spray equipment with attached handgun or trunk directed nozzle could be used. Maintain low spray pressure (not to exceed 25 psi) to] avoid spray drift of fine spray particles.

### **Pruning Cuts on Large Lateral or Upright Limbs**

To control sprouts in the vicinity of pruning cuts, [paint the Tre-Hold Sprout Inhibitor on the bark in the immediate vicinity of the cut.] Treat several inches of bark around the cut. [Apply with a brush, small hand-held sprayer or backpack sprayer.] Do not allow the mixture to splash or drip onto other parts of the tree. Treat only in the dormant season prior to bud activity. Do not allow spray to contact fruit buds.

## **OLIVES**

**The maximum single application for olives is 9 fl oz (0.0063 lb ai) of product per 1000 sq ft.**

**The maximum annual application for olives is 9 fl oz (0.0063 lb ai) of product per 1000 sq ft.**

**The minimum retreatment interval is 5 days.**

**If the maximum rate is applied, the maximum number of applications in a year is 1.**

### **Trunk Basal Sprouts and Root Suckers**

(Do not treat scaffold branches or pruning cuts on olive trees.) Prune off existing sprouts or suckers and allow new sprout to regrow. Treat with Tre-Hold Sprout Inhibitor when sprouts are not more than 10 inches tall. [Apply with a brush, small hand-held sprayer or backpack sprayer.] Tre-Hold Sprout Inhibitor will control new sprout growth of olives but will not control old woody sprouts. Do not treat during olive bloom or fruit set. Limit treated areas to 10% of the plant's total bark surface.

## **ORNAMENTAL WOODY PLANTS**

**The maximum single application for ornamental woody plants is 3 fl oz (0.0021 lb ai) of product per 1000 sq ft.**

**The maximum annual application for ornamental woody plants is 9 fl oz (0.0063 lb ai) of product per 1000 sq ft.**

**The minimum retreatment interval is 5 days.**

**If the maximum rate is applied, the maximum number of applications in a year is 3.**

### **Controls Regrowth of Tree Sprouts Following Proper Pruning**

Tre-Hold Sprout Inhibitor prevents and inhibits vegetative growth in woody plants. After proper pruning, allow new sprouts to regrow and apply Tre-Hold Sprout Inhibitor [with a brush, small hand-held sprayer or backpack sprayer] when sprouts are no more than 10 inches tall. It is effective on many ornamental, flowering and shade trees such as:

American Elm	Crabapples	Red Maple	Sycamore
Carob	Crepe Myrtle	River Birch	Water Oak
Chinese Elm	Flowering Plum	Silver Maple	Wax Myrtle
Coast Redwood	Pyracantha	Sugar Maple	Willow spp (Black Marsh)

For most effective control of resprouts, prune to a lateral branch (drop crotch pruning), and apply Tre-Hold Sprout Inhibitor after resprout growth has begun. Do not leave stubs and avoid severe trimming. Treatment of all cuts is important.

### **NON-BEARING CITRUS**

Use the product as supplied (undiluted) and follow the procedures described below for treating sprouts on scaffold limbs, trunks and rootstocks.

#### **Sprouting from Scaffold Limbs**

Remove unwanted sprouts and thoroughly coat cut surfaces and surrounding bark.

#### **Sprouting from Trunk**

Remove trunk suckers and water sprouts and apply Tre-Hold Sprout Inhibitor to the entire trunk from ground line to scaffold limbs.

#### **Rootstock**

Non-bearing citrus rootstock which is healthy, vigorous and free from stress may be treated. After planting, apply Tre-Hold Sprout Inhibitor from the ground line to the first scaffold branches. Do not allow the product to puddle at the base of the tree as injury and stand loss may occur. Do not apply to rootstock if the bud union has not callused. In temperate zones where freezing may injure scaffold branches, restrict treatment to the frost-free period to allow for a short period of growth between treatment and damaging freeze.

### **STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE** Do not store near fertilizers, seeds, insecticides or fungicides.

**PESTICIDE DISPOSAL** Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the 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 this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

### **LIMITED WARRANTY AND DISCLAIMER**

The manufacturer warrants (a) that this product conforms to the chemical description on the label; and (b) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THIS WARRANTY DOES NOT EXTEND TO THE USE OF THIS PRODUCT CONTRARY TO LABEL INSTRUCTIONS, OR UNDER CONDITIONS NOT REASONABLY FORESEEABLE.

**THERE ARE NO EXPRESS OR IMPLIED WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN TORT, CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.**

AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.

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AMVAC Chemical Corporation  
4695 MacArthur Court, Suite 1200  
Newport Beach, CA 92660 USA

{NOTE TO REVIEWER: The following are optional marketing claims}

- A Ready-To-Use Formulation
- Simply "Spray On" to Control Sprouts and Sucker Growth on Apples, Olives, Pears, Non-Bearing Citrus, and Ornamental Woody Plants.
- To Control Sprouts and Sucker Growth on Apples, Olives, Pears, Non-Bearing Citrus, and Ornamental Woody Plants.
- For use on listed plants intended for ornamental purposes or shade and being grown in interior plantscapes, ornamental gardens and grounds.