

5481-460

10/28/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Ms Kelly K. Rahn
Amvac Chemical Corporation
4695 MacArthur Court, Suite 1250
Newport Beach, CA 92660

OCT 28 2013

Subject: Product Name: Tre-Hold Sprout Inhibitor for Residential Use
EPA Reg. No. 5481-460
Submission date: 9/9/13
Notification for label Change per PRN 98-10: Revise language appropriate for
product sold in a pump spray
Decision Number 483260

Dear Ms Rahn:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have questions concerning this letter, please contact Banza Djapao at 703-305-7269, or via email at djapao.banza@epa.gov or you may call me at 703-308-9443.

Sincerely,

A handwritten signature in black ink that reads "Tony Kish".

Tony Kish
Product Manager 22
Fungicide Branch
Registration Division (7504P)

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United States
Environmental Protection Agency
Washington, DC 20460

- Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

| | | | | | |
|---|--|-------------------------------------|---|--|--|
| 1. Company/Product Number 5481-460 | | 2. EPA Product Manager Tony Kish | | 3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted | |
| 4. Company/Product (Name) Amvac Chemical Corporation / Tre-Hold Sprout Inhibitor for Residential Use | | PM# 22 | | | |
| 5. Name and Address of Applicant (Include Zip Code) Amvac Chemical Corporation 4695 MacArthur Court, Suite 1250 Newport Beach, CA 92660 <input type="checkbox"/> Check if this is a new address | | | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____ | | |

Section - II

- Amendment - Explain below Final printed labels in response to Agency letter dated _____
 Resubmission in response to Agency letter dated _____ "Me Too" Application
 Notification - Explain below Other - Explain below

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

Label notification for product sold in a pump spray bottle per PRN 98-10. No PRIA fee required.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

| | | | | | |
|--|--|---|--|---|--|
| 1. Material This Product Will Be Packaged In: | | | | | |
| Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No * Certification must be submitted | | Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wt. No. per container | | Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Package wt. No. per container | |
| 2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____ | | | | | |
| 3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container | | 4. Size(s) Retail Container | | 5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product | |
| 6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithographed <input type="checkbox"/> Stenciled <input type="checkbox"/> Paper glued <input type="checkbox"/> Other _____ | | | | | |

Section - IV

| | | | | | |
|--|--|--|--|---|--|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.) | | | | | |
| Name Kelly K. Rahn | | Title Regulatory Product Manager | | Telephone No. (Include Area Code) 949-221-6142 | |
| <p align="center">Certification</p> <p>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.</p> | | | | | 8. Date Application Received (Stamped) |
| 2. Signature <i>Kelly K. Rahn</i> | | 3. Title Regulatory Product Manager | | | |
| 4. Typed Name Kelly K. Rahn | | 5. Date September 9, 2013 | | | |

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NOTIFICATION

OCT 28 2013

Tre-hold[®] SPROUT INHIBITOR

For Residential Use

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.**

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens and grounds.

ACTIVE INGREDIENT:

Ethyl 1-Naphthaleneacetate 1.15%

INERT INGREDIENTS:..... 98.85%

TOTAL: 100.00%

KEEP OUT OF REACH OF CHILDREN CAUTION

| FIRST AID | |
|--|---|
| If in eyes: | <ul style="list-style-type: none"> • 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 swallowed: | <ul style="list-style-type: none"> • Immediately call a poison control center or doctor. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give and liquid to the person. • Do not give anything to an unconscious person. |
| If on skin or clothing: | <ul style="list-style-type: none"> • 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 inhaled: | <ul style="list-style-type: none"> • 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 a poison control center or doctor for further treatment advice. |
| EMERGENCY INFORMATION | |
| Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY: | |
| 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 | |

EPA Reg. No. 5481-460
EPA Est. No. 5481-CA-1

Net Weight:
As Marked on Container



4100 E. Washington Blvd.
Los Angeles, CA 90023 U.S.A
1-888-462-6822

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.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot

water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been heavily drenched or heavily contaminated with this product. Do not reuse them.

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, PVC and viton. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

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.]

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.

FOR USE ON APPLES AND PEARS

Do not apply Tre-Hold® Sprout Inhibitor to trees less than one year old as injury and stand loss will occur. Do not treat any tree that is not vigorous, healthy, and free from stress.

The maximum single application for apples and pears is 3 fl oz of product per 1000 sq ft.

The maximum annual application for apples and pears is 9 fl oz of product per 1000 sq ft.

The minimum retreatment interval is 5 days.

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 of product per 1000 sq ft.
The maximum annual application for olives is 9 fl oz of product per 1000 sq ft.
The minimum retreatment interval is 5 days.

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 of product per 1000 sq ft.
The maximum annual application for ornamental woody plants is 9 fl oz of product per 1000 sq ft.
The minimum retreatment interval is 5 days.

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 back pack 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

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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, 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 ¼ 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; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) 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.

THERE ARE NO EXPRESS 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 OR 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 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.

Tre-Hold® is a registered trademark of Amvac Chemical Corporation.

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