

5481-460

9-12-96

1/4



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:

5481-460

Date of Issuance:

SEP 12 1996

NOTICE OF PESTICIDE:

 X Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Tre-Hold Sprout
Inhibitor for Lawn &
Residential Use

Name and Address of Registrant (include ZIP Code):

AMVAC Chemical Corp.
4100 East Washington Blvd.
Los Angeles, CA 90023

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes listed below before you release the product for shipment:

a. Add the phrase, "EPA Reg. No. 5481-460".

b. In the directions for use near the bottom of the front panel delete all references to "nectarines" since specific directions for application to these plants do not appear on the labeling.

Signature of Approving Official:

Date:

SEP 12 1996

2/4

page 2

EPA Reg. No. 5481-460

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

A stamped copy of the label is enclosed for your records.

Cynthia Giles-Parker
Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosure

Tre-Hold®

SPROUT INHIBITOR

For Lawn & Garden 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, or lawns and grounds.

ACTIVE INGREDIENT:

Ethyl 1-naphthaleneacetate	1.15%
INERT INGREDIENTS:.....	98.85%
Total	100.00%

KEEP OUT OF REACH OF CHILDREN

CAUTION

For Additional Precautionary Statements See Side Panel
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. Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves; shoes plus socks, and protective eyewear. 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.

STATEMENT OF PRACTICAL TREATMENT

IN CASE OF EYE CONTACT: Flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists.
IN CASE OF SKIN CONTACT: Wash with plenty of soap and water. Get medical attention if irritation persists. **IF INHALED:** Remove victim to fresh air. Get medical attention.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

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 workers or other persons, either directly or through drift. Do not apply Tre-Hold® Sprout Inhibitor through any type of irrigation system. Keep children and pets and other unprotected persons out of treated area until spray has dried.

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 and nectarine trees sprout vigorously from the root stock and from pruning cuts made on hard wood branches. Tre-Hold® Sprout Inhibitor controls sprouting from pruning cuts, trunks, and root stocks. Tre-Hold® Sprout Inhibitor is a ready-to-use product. For non-bearing nectarines, dilute 1 part to 3 parts water (see dilution chart) and thoroughly treat cut surfaces immediately after pruning to obtain maximum sprout inhibition. Do not allow Tre-Hold® to contact buds or foliage as injury may result. Mix thoroughly before using. (Tre-Hold® EPA Reg. No. 5481-CA-1, EPA Est. No. 5481-CA-1, EPA Reg. No. 5481-CA-1)

Tre-Hold® is a registered trademark of Rhone-Poulenc under license to Amvac Chemical Corporation.
 EPA REG. NO. 5481-CA-1 NET CONTENTS 1 QUART EPA Est. No. 5481-CA-1

FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY
 TRANSPORTATION: CHEM-TREC 1-800-424-9300
 MEDICAL: HAZARD INFORMATION SERVICES (H.I.S.) 1-800-228-5635 Ext. 169

AMVAC CHEMICAL CORPORATION
 4100 EAST WASHINGTON BLVD. - LOS ANGELES, CA 90023 U.S.A.

FOR USE ON APPLES AND PEARS

Do not apply Tre-Hold 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. **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 back pack sprayer. For large projects, power operated low pressure spray equipment with attached hand gun or trunk directed nozzle can 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 back pack 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. Spray application is not recommended, due to the possibility of spray contacting fruit buds.

OLIVES

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 sprouts 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 back pack 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 plants total bark surface.

ORNAMENTAL

WOODY PLANTS

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, a small hand held or back pack sprayer when sprouts are no more than 10 inches tall. It is effective on many ornamental, flowering and shrub trees such as:

ORNAMENTAL WOODY PLANTS

American Elm	Crape Myrtle	Red Maple	Sycamore
Carob	Crope Myrtle	River Birch	Water Oak
Chinese Elm	Flowering Plum	Silver Maple	Wax Myrtle
Coast Redwood	Pyracantha	Sugar Maple	Willow spp.

For most effective control of resprouts prune to a lateral branch (drop crotch pruning), and apply Tre-Hold® 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.

FOR NON-BEARING CITRUS

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® 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® 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

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 DISPOSAL:** Do not reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If container is burned stay out of smoke.

IMPORTANT: PLEASE READ BEFORE USE

By using this product, the user accepts the following: **LIMITED WARRANTY:** AMVAC warrants that (a) this product conforms to the chemical description on its label; (b) this product is reasonably fit for the purposes stated on its label, subject to the inherent risks referred to herein, when used in accordance with its directions; and (c) that the directions, warnings, cautions, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and plants, of residues on food crops, and upon reports of field experience. Testing has not been performed on all varieties of food crops, and plants, in all states, or under all application, weather and crop conditions. There are no express warranties other than those set forth herein. Amvac neither makes nor intends, nor does it authorize any agent or representative to make, any other warranty, express or implied. Amvac expressly excludes and disclaims all implied warranties of merchantability, fitness for particular purpose, or any other warranty of quality or performance.

This warranty does not extend to, and the user shall be solely responsible for, any loss or damage which results from the use of this product in any manner which is inconsistent with this label's directions, warnings or cautions.

User's exclusive remedy and Amvac's or seller's exclusive liability for any claim, loss, damage, or injury 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 Amvac's option, to replacement of, or repayment of the purchase price for, the quantity of product with respect to which damages are claimed. In no event shall Amvac or Seller be liable for special, indirect, or consequential damages resulting from the use or handling of this product.

ACCEPTED
with COMMENTS
In EPA Letter Dated

SEP 12 1986

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

5487-460