



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

M. G. S. 113

1994

H. R. McLane
Authorized Agent for
Amvac Chemical Corporation
H. R. McLane, Inc.
7210 Red Road
Suite 206
Miami, FL 33143-5321

Dear Mr. McLane:

SUBJECT: Review of Labeling Amendments
Tre-Hold® Sprout Inhibitor (Formerly Tre-Hold® for Citrus)
EPA Reg. No. 5481-434
Your Letter Dated 04/05/94

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. A copy of the stamped accepted with comments label is enclosed for your records. One copy of the finished labeling must be submitted prior to releasing the product for shipment.

Insert the word "non-bearing" in front of all references to citrus and nectarines, i.e. "PRODUCT DILUTION FOR NON-BEARING NECTARINES, APPLICATION TO NON-BEARING CITRUS, and Non-bearing citrus rootstock...treated.

If you have any questions, please contact Terri Stowe of my staff at (703) 305 - 6117.

Sincerely yours,

(S)

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

CONCURRENCES

Table with 7 columns and 3 rows (SYMBOL, SURNAME, DATE) for tracking concurrences. Includes handwritten entries like 'Enclosure', 'T. Stowe', and '4/21/94'.

cc: Susan Jennings, SRRD

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry material. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

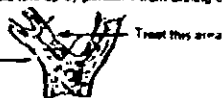
Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. PPE required for entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is coveralls, water-proof gloves, shoes plus socks and protective eyewear.

**FOR USE ON APPLES AND PEARS
NEW PLANTINGS**

Apple and pear trees, healthy, vigorous and free from stress, may be treated after planting in the ground 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 areas 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 living 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, treat 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 sprouts are 6 to 12 inches in height. The later applications have been the most effective. On bearing trees, do not treat suckers during bud break or full leaf. This period is from the start of growth to 4 weeks after petal fall. Application during this time can result in excessive fruiting.

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 a shield 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 olive trees to remove sprouts and 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

CONTROL OF REGROWTH OF TREE SPROUTS FOLLOWING PRUNING

Tre-Hold® Sprout Inhibitor prevents and inhibits vegetative growth in woody plants. After 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 shade trees such as:

American Elm	Crape Myrtle	Sugar Maple
Chinese Elm	Pyracantha	Sycamore
Coast Redwood	Red Maple	Water Oak
Crocodon	Silver Maple	White Birch (Black Marsh)

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

**Tre-Hold®
SPROUT INHIBITOR**

Ready-To-Use Formulation
Controls Sprouts and Sucker Growth on Apples, Olives, Pears, Non-Bearing Citrus and Nectarines, and Ornamental Woody Plants.
For Commercial/Ag Use; Not Residential Use.

ACTIVE INGREDIENT	Ethyl 2-cyanoacrylate	1.5%
INERT INGREDIENTS		98.5%
	Total	100.0%

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.

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. **INHALED:** Remove victim to fresh air. Get medical attention.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, water-proof gloves, shoes or socks, and protective eyewear. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Use, 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. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothes.

ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of equipment wash waters. Do not apply directly to water, to areas where surface water is present, or to wetland areas below the mean high water mark.

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. Only licensed handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Do not apply Tre-Hold® Sprout Inhibitor through any type of irrigation system. Proper pruning of young non-bearing trees promotes the growth and development of strong, well-wooded branches that can support more mature sized fruit, resist wind and ice damage, improve spray penetration for better insect and disease control and improve light penetration for better fruit size and color. 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 formulated in a white latex base to protect against sun scald damage. For non-bearing nectarines, dilute 1 part to 3 parts water (1:3 dilution chart) and thoroughly treat cut surfaces immediately after pruning to obtain maximum frost inhibition. Do not allow Tre-Hold® to contact buds or leaves as injury may result. Mix thoroughly before using.

EPA REG. NO. 5481-434 EPA Est. No. 5481-CA-1

Tre-Hold® is a registered trademark of Proton Products and is used under license by Amvac.

NET CONTENTS 1 GALLON

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

BEST AVAILABLE COPY

Use this product as sup on scaffold limbs, trun

NO For non-bearing necta examples and follow th rootstocks.

AMOUNT OF	SPROUT INHIBITOR
1 Gallon	1 Gallon
1 Gallon	1 Gallon

Do not use or store near heat or open flame.

Remove trunk but not scaffold limbs.

Citrus rootstocks which are 18" from the ground in the tree as injury and in temperate zones, a period to allow for a s

STORAGE: Do not store in unapproved containers. Do not store in unapproved containers. Do not store in unapproved containers.

By using AMVAC warrants that it is responsible for the used in accordance statements on this s. statements of spec of the substance. There are no express does if anyone any expressly excludes an or any other warranty. This warranty does n results from the use warnings or cautions. User's exclusive rem resulted from the u liability in fact or oth purchase price by t Amvac or Seller is handling of this prod

FOR THE TRANCE MEDICAL

434-298 (PMS) 103

ACCEPTED
with conditions
EPA Reg. 12.12

Under the Federal
Pesticide Act, and laws to which it
is subject, for the purpose
of the Federal Pesticide Act, 1970.

5481-434