

TRE-HOLD[®] Sprout Inhibitor A-112

AVOCADOS

Maximize Avocado Fruit Production with Tre-Hold

Tre-Hold provides effective post-pruning sprout and sucker control on mature avocado trees to maximize profits!

All avocado orchards need to be effectively pruned in order to maintain good fruit production and proper tree architecture. Severe water restrictions and the associated higher costs imposed on avocado growers exponentially increase the need to prune and stump extensively in order to reduce each tree's overall canopy.

Since pruning leads to excessive growth near the cuts, repeated farm labor is required to remove the undesirable growth and conserve each tree's energy resources.

With Tre-Hold, growers can dramatically reduce many of these problems and increase profitability by making avocado trees easier, safer and far more economical to harvest.

Tre-Hold is a valuable tool for avocado growers, providing a high return-on-investment.



Advantages

Easy to use!

The diluted mixture can be applied to avocado tree branches using a sponge, roller or paint brush. This application can be used to control shoot growth as a result of:

- Tree stumping operations
- Tree topping operations
- Shoot tip pruning

Note: For large orchards, paint rollers work best.

Controls post-pruning growth

Treated branches selectively encourage the growth of a few vigorous auxiliary buds below the pruning cut.

Improves fruit production and profits

Tre-Hold improves tree architecture by efficiently directing tree reserves into robust secondary branches and fruit production.

Better water management

Well-pruned trees consume less water by cutting down transpiration losses.

Helps restore fire or frost-damaged orchards

Avocado trees which need to be heavily pruned or stumped will benefit from Tre-Hold applications. The tree will quickly develop strong secondary branches and aggressively return to fruit production.

Reduces labor costs

Tre-Hold-treated limbs will provide shoot suppression up to four months or more, eliminating the need for frequent secondary pruning. Tre-Hold is therefore extremely cost effective.

Shorter trees reduce worker injuries

Well-managed trees improve harvesting efficiency by increasing access to almost all harvestable fruit and reducing the need for tall ladders.



Avocado branch showing Tre-Hold-treated area (white latex paint containing 1.1% NAA-ethyl ester) and the selective growth occurring after four months below the pruning cut. Limited or no labor will be required for thinning operations on Tre-Hold-treated trees¹.



Avocado branch treated only with white latex paint shows aggressive growth below the pruning cut after four months. Extensive labor to thin out growth on such branches will be required².

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Tre-Hold Sprout Inhibitor contains 15.1% naphthaleneacetic acid-ethyl ester, which can be easily mixed with latex paint and water prior to application.

How does Tre-Hold work?

Tre-Hold maintains the effect of apical bud dominance even after pruning and prevents or minimizes lateral bud growth.

Use Directions³

Shake well before using and follow the mixing directions provided below to prepare a 1.1% (w/w) active ingredient concentration. Thoroughly mix the contents and apply with a paint brush, roller or any other suitable applicator. For best results, Tre-Hold should be applied on trees immediately after pruning operations. Coat all pruned branches by painting several inches of the bark on the side immediately below and on top of the pruning cut, as shown in the Tre-Hold-treated picture. Avoid spilling onto adjacent branches or foliage.

Make one or two applications each season with a minimum re-treatment interval of 45 days. Do not treat trees within 21 days of harvest.

Spraying Tre-Hold on avocado trees is not recommended as the spray may contact fruit buds.

Example Mixtures of Tre-Hold with Latex Paint and Water

Amount of Tre-Hold	Amount of Interior Latex Paint	Add Water to Make Total Volume of
2.8 oz.	4–15 oz.	1 quart
11.0 oz.	15–60 oz.	1 gallon
4.5 gallons	5–20 gallons	50 gallons

Restricted Entry Interval (REI) is 12 hours. Minimum re-treatment interval is 45 days. Pre-Harvest Interval (PHI) is 21 days.

¹Tre-Hold has been approved by the EPA under the FIFRA Section 18 Federal Emergency Exemption provision as described in 40 CFR, part 166 and authorized by the California Department of Pesticide Regulation (No. 09-03) for use on avocado trees in California. Read and follow all label directions found on the container as well as on the California Section 18 Label. Prior to using this product, a permit must also be obtained from your local agricultural agency. The Section 18 label should be in the possession of the Certified Applicator at the time of treatment. Check with your local County Agricultural Commissioner for a list of all requirements for use of this product in your area.

²Photos courtesy of David Holden

³Read all warranty and disclaimer statements and follow all use directions provided on the Tre-Hold container label.



Always read and follow all label directions. For more information about Tre-Hold, contact your local agricultural chemical retailer, call **1-888 GO AMVAC (1-888-462-6822)** or visit www.amvac-chemical.com.

EPA Registration Number: 5481-429; EPA Establishment Number: 5481-CA-1
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For more information on avocados, please visit the California Avocado Commission's website at www.avocado.org.

