

5 THINGS YOU CAN DO TO REDUCE THE SPREAD OF RAPID 'ŌHI'A DEATH



1 DON'T MOVE 'ŌHI'A WOOD

Don't move 'ōhi'a wood, firewood or posts, especially from an area known to have ROD. If you don't know where the wood is from, don't move it.

2 DON'T TRANSPORT 'ŌHI'A INTER-ISLAND

Comply with the new quarantine rule to help prevent ROD from spreading. Don't move 'ōhi'a plants, wood, or other 'ōhi'a plant parts interisland without a permit.

3 CLEAN YOUR TOOLS

Use only proven cleaning methods—other methods have been tested and they don't kill the fungus. Tools used for cutting 'ōhi'a trees (especially infected ones) should be cleaned with 70% rubbing alcohol or 10% bleach (if using bleach be sure to oil afterwards to prevent corrosion).

4 CLEAN YOUR GEAR

Clean your shoes, gear and clothing. Decontaminate shoes by dipping the soles in 10% bleach, 70% rubbing alcohol, . Other gear can be sprayed with the same proven cleaning solutions. Wash clothing in hot water with detergent.

5 WASH YOUR VEHICLE

Wash the tires and undercarriage of your vehicles with detergent, especially after traveling from an area with ROD and/or if you have traveled off-road.



RAPID 'ŌHI'A DEATH

A disease that is new to science and new to Hawai'i has killed thousands of 'ōhi'a trees (*Metrosideros polymorpha*) across 6,000 acres of Hawai'i Island. Known as **Rapid 'Ōhi'a Death (ROD)**, it is caused by a **fungus** called *Ceratocystis fimbriata*. **We can all help minimize further spread**, and buy time to help researchers find answers and potential treatments.

FOR MORE INFORMATION

VISIT rapidohiadeath.org

SYMPTOMS

- Crowns of 'ōhi'a trees that appear healthy turn yellowish or brown within days to weeks; dead leaves remain on branches for some time.
- Sometimes, single branches or limbs turn brown first and over two-three weeks the rest of the tree turns brown.
- All ages of 'ōhi'a trees can be affected and can have symptoms of browning of branches and/or leaves.
- If a tree with ROD is cut down, or a section of the tree is removed, the fungus shows up as dark staining in the sapwood along the outer edge, and there may be an over-ripe fruit-like odor.
- Trees within a given stand die in a haphazard pattern; the disease does not appear to radiate out directly from infected or dead trees.

NEW QUARANTINE RULE

The Hawai'i Department of Agriculture passed a new quarantine rule that prohibits interisland movement except by permit of all 'ōhi'a plants or plant parts, including:

- Logs, wood, twigs, flowers, leaves, seeds, stems, cuttings.
- Untreated wood, green waste, mulch, sawdust, wood chips and frass (wood dust from boring beetles).
- Beginning in January 2016 soil will also be restricted.

IF YOU SUSPECT ROD IN YOUR AREA PLEASE CONTACT:

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