

HOW TO COLLECT A ROD SAMPLE FOR TESTING



1. Sample only from a dead 'ōhi'a.
2. Take sample from a height that is comfortable from a standing position.
3. Options for sampling:
 - Option 1: Drill
 - Clean 1/2" or 5/16" drill bit.
 - Drill into tree trunk at 3-4 locations around the tree to increase likelihood that fungus is captured if present.
 - Ensure drill enters trunk ~1-2 inches and collect shavings in clean plastic bag.
 - Brush dust off of drill bit and spray with 70% rubbing alcohol to kill fungal spores.

Option 2: Hatchet or handsaw

- Clean hatchet or handsaw blade with 70% rubbing alcohol.
- Peel bark back from trunk.
- Collect wedge piece(s) (1-2) from trunk and place sample(s) in clean plastic bag.
- Brush off any wood fragments/dust off hatchet or handsaw blade and spray with 70% rubbing alcohol.



4. Keep sample at room temperature and send within two days of collecting.
5. Fill out information on ROD Sampling Form.
6. Mail sample and ROD Sampling Form in a padded mailer. If on Hawai'i Island, send to Lisa Keith, Research Plant Pathologist, USDA/ARS, DK1-PBARC, 64 Nowelo St., Hilo, HI 96720. Samples from all other islands must be sent to Hawai'i Department of Agriculture.

For more information please visit:
www.rapidohiadeath.org

ROD Sampling Form

Please include one sample per tree, and fill out one sampling form per sample. Please attach form to corresponding sample bag.

Contact Name: _____

Phone/Email: _____

Date Collected: _____

Island: _____

Street Address: _____

GPS Coordinates if available (i.e 19deg, 29min, 27.12sec or Q5293258 2155028):

Estimated Tree Height: _____ ft.

Trunk Diameter (circle one): <2 inches,
4-8 inches, 8-12 inches, 12 inches

Disease Symptoms or Signs (Circle all that apply):

1. Browning leaves
2. All leaves dying at once
3. One whole branch at a time dying
4. Mixed green and brown leaves on tree
5. Cankers or deformities on branches
6. Fruity smell of wood
7. Stained sapwood
8. Dead forest areas/dieback

Affected Parts (Circle all that apply):

Trunk Branches Roots Leaves
Flowers Entire Tree

Are there other suspect trees in the area?

Many (more than 25 trees)

None Few (1-5 trees) Some (6-25 trees)

Photo of Tree Included (Optional):

If yes, please attach to corresponding sample.

.....

This section to be filled out by lab.

Pathogen ID: _____

Determined by: _____

Date Processed: _____

Comments: _____
