



RESOURCE
CONSERVATION DISTRICT
OF THE
SANTA MONICA MOUNTAINS

UNIVERSITY OF CALIFORNIA
UCRIVERSIDE

Become a Detection Detective! Help track the spread of Polyphagous/Kuroshio shot hole borers

Sign up to share your trap information and learn where to place your traps, how often to check them, how to collect samples, and where to take the samples you collect at www.rcdsmm.org/resources/oaktrees/trapping

TO BUILD YOUR TRAP

STEP 1.

Take 2L plastic soda bottle and measure 6cm from the bottom center along the side of the bottle. Mark it. From that mark, measure out and trace a 13 cm long by 17 cm wide panel on the outside of the bottle.



STEP 2.

Using the razor/box cutter, cut the panel out along the marked lines to create a large opening.



Materials needed:

Clear 2L bottle

**Pepsi products only*

Clear 16oz bottle

**Pepsi or Coke Product only*

Eye Bolts with Nut

5/32 x 1.5/8

Drill with 5/32 bit

3Dprinted

“Connector” OR

2” radiator clamp

Lure

Dawn dish soap

V-shaped coffee filter

Ziplock baggie

Sharpie

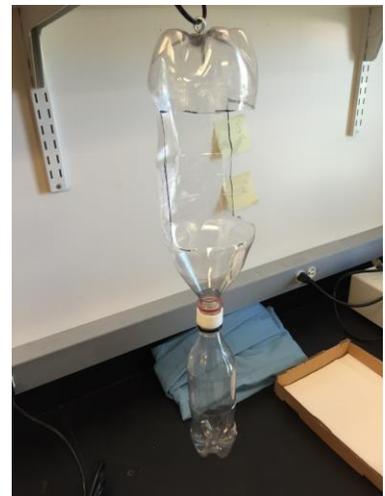


STEP 3.

Use a drill (bit 5/32") to create a hole at the bottom center of the bottle for the eye bolt and nut.



STEP 4. Insert eye bolt and secure nut to hole. Put 1 cup of water and 5 drops of Dawn dish soap into the 16 oz bottle. Twist on either a 3D printed connector (available upon request from the RCDSMM) or use a small 2 inch wide radiator screw clamp to connect the opening of the 2L bottle with the opening of the 16 oz bottle.



STEP 5. Attach the lure inside the

2L bottle by hanging from the nut end with a string.

Ambrosia Beetle Lure Product # 3361 cost \$12@, last 6 weeks and should be ordered from Synergy Semiochemicals: http://www.semiochemical.com/html/ambrosia_beetles.html#lures

STEP 6. DEPLOY the TRAP: Traps should be placed on a stake or hung just outside of the dripline of the tree, approximately half way up the height of the trunk. . Take photo of the trap showing the tree as well. Fill in the information on the DETECTION DETECTIVE website to sign up and send in the photo and GPS coordinates.

STEP 7: Once a week, pour out the water from the 16 oz bottle through a V shaped coffee filter. Place filter in Ziploc bag, write date, name and address on it. Keep in the refrigerator until you drop it off at the RCDSMM office 540. S. Topanga Canyon Blvd., Topanga CA 90290. Please call ahead (818.587.8627 x102) to make sure someone is in the office to collect your sample! Add more water and 5 drops of Dawn to the small bottle and reset the trap!