

**Step 5.** Wrap polyethylene tubing twice around the extended telescoping pole and secure with tape just after the twist lock of the second section. (This will act as an extension limiter, preventing the pole from over extending and coming out when in the field).



**Step 6.** Repeat for the second pole extension.



**Step 7.** Use electrical tape again to attach the trigger end of the wand to the pole four feet up from the base of the pole.



#### Benefits of Using a Spray Wand Extender

- For use in tall trees.
- Allows for application of pesticide directly to palm crown.
- Less pesticide used.
- Reduce pesticide drift and off-site movement due to wind.

#### For More Information

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# DIY Pesticide Wand Extender

For Controlling Pests  
in a Tall Trees





A spray wand extender can be used to safely apply pesticide directly to the crowns of tall palm trees. The DIY wand extender was designed to control adult Coconut Rhinoceros Beetle (CRB) damage to palm trees. Commercial and home applicators often use elevators or ladders, which are potentially dangerous. The spray wand extender reduces the amount of off-site pesticide movement and is a more cost effective method for pesticide application in tall palms. Here are step-by-step instructions to Do-It-Yourself! But, first...

### ALWAYS READ AND FOLLOW THE PESTICIDE LABEL!

When handling and applying pesticides, use all the label-required Personal Protective Equipment, and follow all dosage instructions and handling procedures that is stated on the pesticide label.

**Step 1.** Cut the sprayer wand into two equal parts with the handsaw.



**Step 2.** Cut clear vinyl tubing into two, 2 inch long pieces and insert them midway over the cut ends of the sprayer wand.



**Step 3.** Insert the other half of the polyethylene tubing midway into clear vinyl tubing connected to the nozzle half of the spray wand. Repeat process on other end of the sprayer wand. Use zip ties to secure the tube ending.



**Step 4.** Fully extend the telescoping pole top end and tape the nozzle to the top end on the pole.



### Needed supplies and tools

You will need to do some shopping to obtain the following supplies to build your own Pesticide Wand Extender.

1. Telescoping pole (9 meters, \$30–50)
2. Backpack pesticide sprayer (\$120)
3. Clear vinyl tubing (1/2 inches O.D. x 3/8 inches I.D.) (40 feet, \$0.49/feet)
4. Polyethylene tubing (3/8 inches O.D. x 1/2 inches I.D.) (6 inches, \$0.49/feet)
5. Multi purpose ties (ZipTies, 6 ties, \$7/bag)
6. Handsaw (to cut plastic)
7. Scissors
8. Electrical tape

