



EVERGREEN PYRETHRUM CONCENTRATE APPLICATION INFORMATION



May 2026

This document is a supplemental resource and does not replace or supersede the product label. By law, all treatments must follow the restrictions, requirements and instructions on the product label. To the maximum extent permitted by law, the CRB Response disclaim all liability for any damages or injuries resulting from the use of this product. Users assume all risk associated with the use, misuse, or inability to use this product. Distribution of this document does not imply any responsibility for user actions.

BACKGROUND INFORMATION

Evergreen Pyrethrum Concentrate (hereafter, Evergreen) is an organic, low-toxicity, pyrethrum insecticide formulation that can be used in a number of residential and non-residential areas. The active ingredients are collected from plant extracts. This document will summarize some parts of the product label most relevant to Coconut Rhinoceros Beetle (CRB) treatments and provide a suggested protocol.

Evergreen is a liquid that must be diluted with water, mixed, then sprayed on CRB host plants, landscaping, perimeters or wood piles at your home. This will typically be on damaged host plants like palms using the “FOR USE OUTDOORS ON TREES, SHRUBS, FLOWERS AND FOLIAGE PLANTS:” section or the label for host plants or the “FOR USE ON AND AROUND LISTED OUTDOOR AREAS:” section of the label for landscaping, perimeters, and wood piles.

Application is performed with a sprayer which includes hand pumped sprayers, backpack sprayers, and sprayers with motorized pumps. Sprayers with nozzles that provide a coarse spray (large droplets or a stream) and low pressure (< 60PSI) are preferred to minimize drift. Use a sprayer that you feel comfortable operating when it is filled with product. Practice the operation of the pump with water before you attempt treatment with pesticide.

ACTIVE INGREDIENT

Pyrethrins, a botanical insecticide

QUICK REFERENCE INFORMATION:

Product: Evergreen Pyrethrum Concentrate

EPA Registration #: No. 1021-2560

Link to label: <https://files.hawaii.gov/dab/labels/9472.47.pdf>

APPLICATION RATES:

Palms: 0.25-0.5 fl oz (7.5-15 mL) Evergreen per gallon of water.

Outdoor landscaping, borders, and wood piles: 0.25-0.5 fl oz (7.5-15 mL) Evergreen per gallon of water (the same concentration as for palms above).

APPLICATION LIMITS:

The label does not provide general limits on retreatment but it limits treatments on “growing crops in greenhouses and nurseries” to once per day.

We recommend that you apply at 7-30 day intervals depending on the level of damage.



[www.crbhawaii.org/
community](http://www.crbhawaii.org/community)

This kit is intended for those located in Coconut Rhinoceros Beetle affected areas that are not part of an active eradication program. These materials and their distribution is funded by the State of Hawaii through Act 236. This kit is not a retail item and should not be sold.

Contact CRB Response: crbhawaii.org | info@crbhawaii.org



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KIT CONTENT

1. Bottle with label
2. Gloves
3. Safety glasses
4. Measurement tool

ADDITIONAL SUPPLIES NEEDED

- Personal Protective Equipment (PPE):
 - Long pants
 - Long sleeves
 - Shoes and socks
 - Chemical-resistant gloves
 - Protective eyewear
- Application tool (sprayer)



RESTRICTIONS

- Do not make applications during rain.
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.
- Do not enter or allow others to enter until sprays have dried.
- Do not enter or allow to enter until vapors, and mists, and/or aerosols have dispersed, and the treated area has been thoroughly ventilated.
- Do not remain in the treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed.
- Do not wet plants to the point of runoff or drip.
- Remove pets, birds and cover fish aquariums before application.
- Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios, except as a spot or crack and crevice treatment.
- Do not allow pesticide to enter or runoff into storm drains, drainage ditches, gutters or surface waters.

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EVERGREEN PYRETHRUM CONCENTRATE EXAMPLE PROTOCOL

PART 1

May 2026

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This example protocol includes many important steps and calculations to consider when applying this product. Use this in conjunction with the product label to make your own protocol that applies to your site and pest control objectives.

1. PLAN YOUR APPLICATION.

- a. Look at the weather report and choose a day with a low or zero chance of rain and winds below 15 mph. Evergreen cannot be applied during rain. Reference the restrictions at the end of this section and on the label.
- b. Choose a day when nobody will need to access the treated area for 4+ hours after application. Ideally, have someone available to assist you if something goes wrong. They should be prepared to call poison control (800 222-1222) or 911 in an emergency.
- c. Evergreen degrades rapidly in sunlight. Palm treatments will last longer if applications are made later in the day. Since CRB are active at night, an application that is completed in the late afternoon is ideal.
- d. For palm applications, you will also need to get the spray nozzle close to the top (crown) of the palm. We do not recommend using a high-pressure stream to propel the product from the ground to a tall crown due to increased risk of drift. A nozzle on an extension pole is a safer alternative for an applicator on the ground. Accessing the crown may require additional equipment (ladder, lift) or training beyond the scope of this document. For many, hiring a pesticide applicator or tree care professional is the best option.
- e. Label all mixing and dispensing equipment. Any tool that contacts concentrated or diluted Evergreen should be labeled so that it is not used for food or other exposure risks. We suggest writing "Caution Pesticide" in permanent marker on all tools, vessels, and lids.

2. CALCULATE YOUR VOLUMES AND DILUTIONS.

Palms: One mature palm typically requires $\frac{1}{4}$ to $\frac{1}{2}$ gallon of diluted product to get good coverage. Start on the low end by calculating $\frac{1}{4}$ gallon of diluted spray per palm. You will need to add 1/4 – 1/2 fl. Oz. of Evergreen Concentrate per gallon water. Write down the volumes of diluted spray and concentrate for future reference.

Example:

For 12 palms you will need 3 gallons (12 palms * $\frac{1}{4}$ gallon) of diluted spray. Three gallons of diluted spray requires 0.75-1.5 fluid ounces (22-44 mL) of Evergreen concentrate.

Outdoor landscaping, borders, and wood piles: Decaying wood, mulch, and logs can be breeding material for CRB. If any of these are used as landscaping, borders or wood piles, you can spray them with Evergreen to the point where they are fully wetted with no runoff. For these treatments you will need to add 1/4 – 1/2 fl. Oz. (7.5 mL - 15 mL) of Evergreen Concentrate per gallon water (the same concentration as for palms above).



3. GATHER YOUR MATERIALS AND GET READY

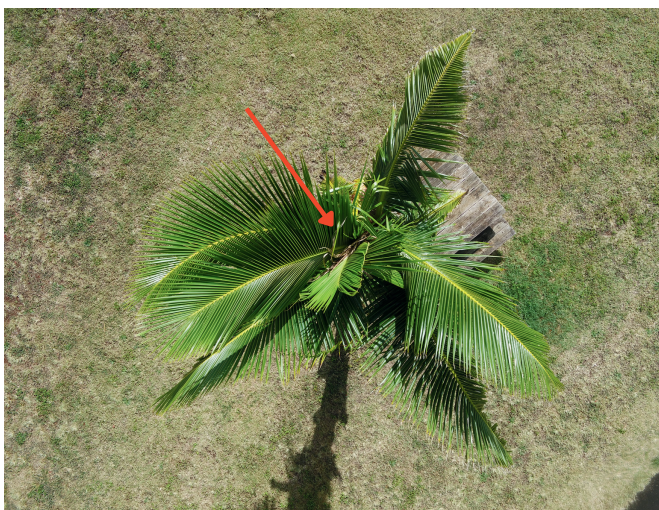
- a. Gather your materials. This product requires that you wear a long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves. You will also need a sprayer, a water source, and the bottle of Evergreen Pyrethrum Concentrate with the product label. You may also need additional measuring vessels for the pesticide concentrate or mixing water. We recommend having clean rinsing water available at all times to rinse your eyes or skin in case of an accidental exposure.
- b. Inform every individual that could enter the area that you will be treating. Secure pets so that they will not enter the area until the treated area is dry. If the treated area is close to a property line, you should inform neighbors as well.
- c. Put on all protective gear (long pants, long sleeves, shoes, socks, gloves, etc.).

4. MIX

- a. Put half of the dilution water in your sprayer or mixing vessel.
- b. Measure the amount of Evergreen Pyrethrum concentrate that you calculated in step 1 and put it in the water in the mixing vessel.
- c. Seal the sprayer/vessel and shake to mix. Alternatively, you can stir if the mixing vessel is too heavy to shake.
- d. When the concentrate has dissolved uniformly, add the rest of the water.
- e. Mix again until it is uniform.
- f. If the mix sits for an extended period, shake or stir the reservoir before spraying.

5. SPRAY

- a. Pressurize your sprayer on the ground if it needs to be pumped up before use.
- b. Position yourself as far from the nozzle as is practical. Ideally you will be above the nozzle so no product can drift or drip onto you. If you are below the nozzle, position yourself as far as you can laterally and upwind.
- c. Apply to host palms or landscaping. Make sure to spray the base of fronds in the upper half of the palm crown. This is where CRB typically enters the palm. Spray each frond base thoroughly but avoid runoff. On landscaping and wood piles, wet thoroughly but avoid runoff.
- d. Dispense all of the diluted mix on allowable sites. If you finish treating and have mix left over, you can apply the remainder to other sites allowed on the label. Focus on areas with known insect pests.
- e. If you run out of mix before all sites are treated, calculate the amount that you applied per palm/site and mix the volume needed to finish application according to the mixing instructions above.





6. CLEANUP

- a. Seal and put away all pesticide concentrate.
- b. Make sure all diluted product is applied to allowable sites.
- c. Rinse all tools and mixing vessels with clean water three times and pour the contaminated rinse water at the base of a treated palm, on your lawn, ornamental plants or other sites allowed by the label.
- d. Put all tools and loading equipment in a designated pesticide area.
- e. Wash your clothing in a separate wash load.
- f. Wash your hands well with soap and water.

7. EMPTY BOTTLE DISPOSAL

- a. Do not reuse or refill the original product container.
- b. Triple rinse the container promptly after emptying the last of the concentrate
- c. Then offer for recycling if available or puncture and dispose of the empty container through municipal or private trash collection services.

8. REENTRY

The treated area is safe for re-entry by people and pets when the applied product is dry.

9. RETREATMENT

- a. The label does not provide general limits on retreatment but it limits treatments on “growing crops in greenhouses and nurseries” to once per day.
- b. We recommend that you apply at 7-30 day intervals depending on the level of damage.
- c. Treating with another class of pesticide periodically can be beneficial to avoid resistance. Consider adding or alternating a product containing imidacloprid.