



SYSTEMIC PESTICIDES FOR CRB PALM TREATMENTS

June 2025

Products	Imajet, Imicide, Xytect	Acejet, Iepitect	Merit 75, imidacloprid 2F
Active Ingredient	Imidacloprid	Acephate	Imidacloprid
Application Method	Trunk injection	Trunk injection	Soil drench, Foliar spray
Restricted Use	No	No	No
PPE	Long sleeve shirt, pants, socks, shoes, gloves, protective eyewear	Long sleeve shirt, pants, socks, shoes, PE or PVC= gloves ≥ 14 mils, protective eyewear. NIOSH respirator (N,R, P, HE) for mixing or loading.	Non-WPS: Shirt and pants, gloves, shoes plus socks
Sites	Non-food bearing trees in commercial, public, or residential properties.	Non-food bearing trees in commercial, public, or residential properties.	Non-food bearing trees in commercial, public, or residential properties.
Selected Restrictions	No applications when trees are in flower. Not to be used on trees that will produce food within 1 year.	No applications on blooming crops or weeds. Not to be used on trees that will produce food within 1 year.	Do not use on plants in bloom while bees are foraging the treatment area. Do not allow runoff. No application to waterlogged or saturated areas.
Application Interval	1 year	6 month	8.53 oz active ingredient per acre per year
Notes	Some labels allow more than one treatment per year if infestations are heavy	Primarily used as a secondary to avoid resistance and bolster efficacy near end of treatment cycle	Used on smaller palms or hosts that can't be injected or sprayed. Alternatives include Merit 75 WP and Imidacloprid 75 WSB.

This is not a replacement for any product label. Please read the product label and generate plans based on the most current label. We are not responsible for misuse based on guidance presented here. Visit the HDOA pesticides site for the latest State-approved product label: <https://hdoa.hawaii.gov/pi/pest/licensed-pesticides/>

For more information go to www.crbhawaii.org or contact info@crbhawaii.org



CONTACT PESTICIDES FOR CROWN SPRAYS

June 2025

Product	Mustang Maxx	OneGuard	Demon Max	Evergreen Pyrethrum
Active Ingredient	Zeta-Cypermethrin	Lambda-cyhalothrin, Prallethrin, Pyriproxyfen, Piperonyl butoxide	Cypermethrin	Pyrethrins
Restricted Use	Yes	No	No	No
PPE	Long-sleeve shirt and long pants, Chemical-resistant gloves: barrier laminate, or viton \geq 14 mils, shoes, socks, protective eyewear	Long-sleeve shirt, pants, shoes and socks, chemical-resistant gloves: barrier laminate, nitrile rubber, neoprene rubber, or viton	Long-sleeve shirt, pants, chemical-resistant gloves, shoes, socks.	Long-sleeve shirt and long pants; chemical-resistant gloves: barrier Laminate, Nitrile Rubber, Neoprene Rubber, or Viton; shoes, socks.
Sites	Agricultural crops only, Tree Nuts Crop Group 14-12 including coconuts	Residential and recreational areas, such as parks, yards, apartment and business buildings, ornamental landscaping. Check label for full list.	FOR USE ONLY ON ALL THE ISLANDS IN THE STATE OF HAWAII EXCEPT OAHU.	Trees, Shrubs, Flowers and Foliage Plants, Outdoor Growing Crops, Nurseries, Gardens, Back yards, Front Yards, Golf Courses, Greenhouses, Wood piles.
Restrictions	Do not apply within 150 feet of aquatic habitats, spray $<$ 10 feet above the vegetative canopy, medium or coarser droplets (ASABE S641), wind speeds $<$ 15 mph	Not for use on plants being grown for sale or other commercial use. Do not spray in or near fishponds or other bodies of water. Do not make applications while it is raining.	Section 18 Emergency Exemption until April 22, 2027. Applicators must notify Hawaii Department of Agriculture (HDOA) at least seven (7) days prior to intended application. Do not apply to trees with fruit unless the fruit is removed prior to application.	Only protected handlers may be in the area during application, Do not enter or allow others to enter until sprays have dried.
Application Interval	7 days, 4.0 fl oz/A of product per application, 5 applications per year	0.36 lbs. lambda-cyhalothrin per acre per year	Apply once every 1-3 months.	Not defined on label
Notes	7 day pre-harvest interval	Not for use in nurseries or farms	Palm crown applications are not on the label. Emergency authorization can be requested off Oahu through HDOA.	Organic product. Label rate is lower than other products and limited testing found fewer dead beetles falling from treated trees. "Kills only at time of application"

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SITES TO USE SYSTEMIC PESTICIDES

June 2025

Product	Imajet	Acejet	Merit 75
Residential Back Yards	yes ✓	yes ✓	yes ✓
Parks	yes ✓	yes ✓	yes ✓
Golf Courses	yes ✓	yes ✓	yes ✓
Nurseries	yes ✓	yes ✓	yes ✓
Farms (food)	no ✗	no ✗	no ✗
Other	yes ✓	yes ✓	yes ✓

SITES TO USE CROWN SPRAYS

Product	Mustang Maxx	OneGuard	Demon Max	Evergreen Pyrethrum
Residential Back Yards	no ✗	yes ✓	yes ✓	yes ✓
Parks	no ✗	yes ✓	yes ✓	yes ✓
Golf Courses	no ✗	yes ✓	yes ✓	yes ✓
Nurseries	no ✗	no ✗	yes ✓	yes ✓
Farms	yes ✓	no ✗	no ✗	yes ✓
Other/Notes	Restricted use		Emergency use on all islands EXCEPT Oahu	

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