

Mosquito-Be-Gone Bucket

**The BEST way to KILL MOSQUITOS.
It's safe, effective, easy and doesn't kill pollinators.**

The active ingredient is *Bacillus thuringiensis israelensis* (BTI), which is a natural-born soil bacterium. This prevents mosquito larvae from maturing but doesn't affect other insects or wildlife.

1. Fill a 5-gallon dark-colored bucket about halfway full of water.
2. Throw in a few handfuls of grass clippings, leaf litter and/or straw, secure wire mesh top or hydroponic bucket lid.
3. Let it ferment for 2 days. Female mosquitoes find this CO₂ generating concoction an irresistible place to lay their eggs.
4. After 2 days, add 1/4 of one Mosquito Dunk once a month. Each one covers up to 100 sq ft of water surface area, so for a bucket you just need part of one. You can find dunks at most hardware stores or online.
5. Place your Mosquito-Be-Gone Bucket in an out-of-the-way corner of your yard, 20-50 feet away from where you sit/hang out. If you have kids or pets, put the bucket up and out of reach.
6. Keep the bucket about 1/2 full of water, check your bucket often in hot weather.
7. Dump the bucket every 2 months or so and repeat the quick and easy process above.
8. If you have a larger property, add multiple buckets.

CHILD SAFETY: If there is the remotest possibility that a small child will ever be near your bucket, you must *securely* cover the bucket. "The U.S. Consumer Product Safety Commission warns that buckets filled with water or other liquids, especially the large five-gallon size, present a drowning hazard to small children."

This "Mosquito-Be-Gone" bucket is based on Entomologist Dr. Doug Tallamy's Mosquito Larvae Killing Bucket. Dr. Doug Tallamy is a professor in the Department of Entomology and Wildlife Ecology at the University of Delaware, where he has authored eighty research articles and has taught Insect Taxonomy, Behavioral Ecology, Humans and Nature, and other courses for 32 years.



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MONARCHS

Protect Yourself & The Pollinators

SAFE & EFFECTIVE ALTERNATIVES

Before calling a mosquito control service, first consider a variety of other time-tested and effective strategies to protect you and your loved ones from mosquitoes while also protecting pollinators - as suggested by entomologists, public health organizations, and agricultural extension programs.

- **Standing Water & Organic Debris:** Regularly eliminating sources of standing water and organic debris—such as flower pots, pet bowls, gutters, tires—where mosquitoes breed. Empty and refill your bird baths every 1-2 days to prevent mosquito larvae from developing.
- **Mosquito Dunks:** Here's the BEST way to KILL MOSQUITOS: Add mosquito "dunks" (BTi - *Bacillus thuringiensis israelensis*) to a bucket of water, fountains, ornamental ponds, etc. These larvicides kill mosquitoes before they become pesky biting adults.
- **Clothing & Repellent:** Protect yourself by wearing light-colored, loose-fitting long sleeves and pants, using mosquito repellent, and keeping screens in good repair. Apply safe, effective insect repellents when outside during mosquito season. Don't like DEET? Choose a product containing Picaridin or Eucalyptus oil.
- **Dense Undergrowth:** Maintaining your property to limit dense undergrowth that can harbor adult mosquitoes such as ivy/heavy ground cover.
- **Fans:** Shoo them away with fans. Mosquitos are weak flyers and will often depart if confronted with a breeze. Research also shows that the current from a fan reduces a mosquito's ability to zero in on an individual.
- **Cedar Mulch:** Spread cedar mulch under chairs and tables. Add fresh on top every month or two.

