

# Mosquito Barrier<sup>®</sup>



## Mosquito Barrier Application Instructions

---

***Just one application will keep mosquitoes, ticks and fleas out of your yard and away from your home, 24 hours a day for nearly a month.***



***Mosquito Barrier is Liquid Garlic Solution that is applied directly to any outdoor surface, including plants, landscapes and water.***

**Mosquito Barrier attacks mosquitoes three ways:**

- (1) Kills adult mosquitoes on contact**
- (2) Treated Landscapes repel mosquitoes**
- (3) Kills and Suffocates Mosquito larvae in standing water and breeding habitats**

\* Treated Hardscapes may not repel mosquitoes

Garlic contains natural sulfur which repels insects, including mosquitoes, ticks and fleas.



---

### **What is Mosquito Barrier**

Mosquito Barrier is 100% liquid garlic extracted from garlic cloves. The garlic used in Mosquito Barrier is more potent than the garlic found in grocery stores and is often referred to as "super garlic". Super Garlic extract, kills adult mosquitoes and other soft bodied pests on contact.

### **Why Garlic Extract?**

Garlic contains natural sulfur, which repels insects, including mosquitoes, ticks and fleas. Garlic juice, in increased concentrations, is found to be very toxic to mosquitoes due to their soft bodies, yet totally safe to humans and the environment.

### **How Does it Work?**

When you initially spray Mosquito Barrier it kills the mosquitoes and chases away the ticks, fleas and gnats. It coats the leaf surface of the grass, ornamentals and lower leaves of the trees with natural sulfur contained in garlic juice and all of these insects, not initially killed, are repelled from the area by this juice. It also prevents entry of any neighboring mosquitoes that may consider wandering in from next door. Mosquito larvae which were in any standing water in the area are now suffocated by the spray which coats the water's surface and prevents oxygen from reaching the larvae. The Mosquito Barrier is odorless to humans, but not to the insects.

**What bugs and/or pest does it repel?**

Mosquito Barrier kills mosquitoes and mosquito larvae on contact and creates a protective barrier. Repels: Ticks, Fleas, Gnats, Field Mice, Rabbits, Armadillos, Deer and Geese

**Is it Safe?**

Yes! There are no poisons or harmful chemicals in Mosquito Barrier. Just 99.3% garlic juice with some food grade preservatives added. The juice does not harm humans or pets or plants, but to mosquitoes it is deadly.

**What about the Odor?**

The odor of sprayed garlic juice becomes undetectable to humans within minutes. Mosquitoes have extremely sensitive odor sensing antennae - as high as 10,000 times better than humans. Mosquitoes, ticks, chiggers, gnats, fleas and other insects can detect the garlic extract for much longer periods of time and will stay away from the sprayed area for up to a month and more.

**Can I Use Mosquito Barrier near water?**

Yes! Mosquito Barrier, when mixed with soybean oil (available at your local grocery store) plus the water, coats any standing water in the area with a very thin film of natural oil, including some garlic oil which is present in the garlic juice. This oil suffocates the mosquito larvae which are developing in any standing water. Mosquito Barrier, unlike chemicals, doesn't kill the bees, butterflies or birds

---

**Spraying Instructions**

When applying Mosquito Barrier you want cover every surface, including grass, standing water, shrubs, tree branches up to about 12 feet where possible and under porches and decks where water may be standing.

Spray the shorelines of creeks or ponds (mosquitoes are also born in mud).

\*\*\*Best spraying time is late in the afternoon 1 hour before sundown.\*\*\*

---

**Mixture Instructions**

Mosquito Barrier is a concentrate and should be mixed with water for application.

- 1% mixture of Mosquito Barrier is sufficient for moderate infestations.
- Up to a 5% or more mixture can be used for serious infestations.
- Mix an equal amount of Mosquito Barrier with an equal amount of oil (Soybean, Cottonseed or Canola recommended. Any type of vegetable oil can be used as a last resort)
- Mix 1 tablespoon of Palmolive dish soap or insecticidal soap should be added for every gallon of water.

Note: The oil will help the mixture stick to grass, leaves, plants etc. as well as coat any standing water with a thin film suffocating mosquito larva.

---

## **INSTRUCTIONS FOR AVERAGE RESIDENTIAL PLOTS:**

If you are spraying 1/2 acre or less you can use a canister type sprayer. Canister type sprayers are available at almost any hardware, lawn and garden, and home improvement store. Most hold from 2 to 3 gallons of liquid and generally cost about \$16-\$20 each. Canister sprayers must be pumped up with air pressure and they have a wand for spraying. The formula for a 2 gallon canister sprayer is: 3 ounces Mosquito Barrier, 3 ounces soybean or other recommended oil (recommended oils listed above) and 1 tablespoon of Palmolive liquid dishwashing soap or (as an alternative) insecticidal soap, then fill canister with water. Mix well and spray.

Garden hose-end sprayers are not recommended because they are generally very inaccurate and the droplet size is larger than desired. However, if you insist on using a Garden hose-end sprayer - there are two types, one type has a dial for ounces per gallon and the other does not have a dial. For both types, mix 12 ounces of Mosquito Barrier with 20 ounces of water and use this mixture to completely fill the container. On the dial type, set the dial on 2 ounces per gallon, or 4 tablespoons per gallon. Normally it takes about 7 minutes to empty the container with the garden hose on full blast, so you need to be quick, or fill it again until you have covered everything we recommend.

One gallon of Mosquito Barrier is generally enough for the whole Summer mosquito season. Sprayed every 3 weeks, for the average half acre residential lot, one gallon is enough for 10 applications, if necessary.

Mosquito Barrier is a patented product.

---

## **INSTRUCTIONS FOR MEDIUM SIZED AREAS (1 - 5 ACRES):**

Best results are achieved by using 20 gallons of water per acre, plus at least 25 ounces of Mosquito barrier, plus 25 ounces of one of our recommended oils and 2 ounces of soap. Use a droplet size of 350-400 microns or medium size mist (not large droplets).

---

## **Instructions For Large Areas (5 Acres Or More):**

(Parks, Golf Courses, Ball Fields, etc.)

1 gallon of Mosquito Barrier mixed with 1 gallon of either soybean, cotton seed oil or vegetable oil. Add 98 gallons of water and 8 ounces of Palmolive liquid dishwashing soap or (as an alternative) 1 gallon of insecticidal soap (available from local nurseries). Mix well.

The oil helps with standing water and puddles for suffocation of larvae. However, if you are not able to obtain one of our recommended oils to use as a sticker, excellent results are achieved by mixing one part of Mosquito Barrier with 99 parts of water and spraying everything.

---

### **Spraying Tips:**

1. When mixing, mix the Mosquito Barrier, oil and soap together and then add it to the water. Stir the entire mixture until homogenous. If you have very hard water, add a bit more soap to make everything mix well.
2. When spraying grass with the wand on the end of your pump-up Hudson type sprayer, hold the wand nozzle about 8 inches above the grass and sweep it back and forth. Make sure the spray gets deep into the grass and use a small spray droplet size.
3. Spray all dark places such as under porches, in vents leading to basement or beneath the house, even spray sides of house, porches, driveways and areas that are not covered with grass - this all helps.
4. So long as you use at least a 1% solution of the garlic (meaning at least 1 and a quarter ounces of Mosquito Barrier per gallon of water) you are okay. You may use more. Many of our professional spray people use 4 to 6 ounces of garlic per gallon of water. This does not harm plants or animals and works very well.

---

### **Spraying For Ticks:**

There are a few things you'll need to know to effectively repel ticks from your yard and around your house. Mosquito Barrier doesn't kill ticks on contact but it does repel them. Ticks are carried into your yard by animals such as deer or squirrels. A tick will "hang out" in tall grass and on tall weeds as well as on fence posts, wood siding on your home or shed and in shrubs and bushes. They like damp places. They will wait for you to brush against the tall grass or shrub and will cling to you. Knowing this, spraying for ticks is much like spraying for Mosquitoes with a few exceptions:

There's no need to spray standing water or the leaves in a tree. Ticks wait for their prey relatively close to the ground. Do make sure you spray the trunk of the tree. Also make sure you spray all wood fence posts in the area. Spray the wood siding on your home up to a height of about 5 or 6 feet from the ground.

You should also spray under porches and in dark, shaded areas (they rest there in heat of the day). Spray grass, shrubs and all greenery. Don't forget to spray woodpiles and re-stack any firewood - where they may be hiding. Keep grass cut and eliminate tall weeds. Try to keep children and pets inside a sprayed, fenced area. After the first spraying, which should be 2 applications, repeat spraying in 7 days and thereafter about every 3-4 weeks during tick season.