

# Managing Mosquitoes Without Pesticides

## Using Essential Oils As Mosquito Repellent

### Use Non-Toxic and Organic Mosquito Repellents

The CDC reports that the essential oil Lemon Eucalyptus is as effective as DEET. Google, retail, and online stores carry Lemon Eucalyptus and other non-toxic products, as well as DIY recipes.

### Store Bought Solutions

- Oil of Lemon Eucalyptus (OLE)
- PMD (p-menthane-3, 8-diol), the extract from OLE that shows superior repellent activity
- Badger Anti-Bug Balm
- Bubble & Bee Organic Insect Repellent
- Brittanie's Thyme Organic Bug Spray



### Plant a Wide Range of Natural Mosquito Repellents



Combinations of these plants in and around your home are beautiful and fragrant, and are all great mosquito repellents!

- Basil, Catnip, Cedar, Cinnamon, Eucalyptus, Horsemint, Scented geranium, Lavender, Lemongrass, Marigolds, Pennyroyal, Rosemary, Thyme, Witch Hazel, Clove
- Catnip has been shown to be as effective as DEET for repelling mosquitoes. For more information visit <https://bit.ly/3Qz4w5t>

## Homemade Roll-Ons & Sprays



These can be made with citronella, lemon, basil, thyme, lemongrass, geranium, peppermint, lemon balm, Neem, bergamot, and clove. Visit <https://bit.ly/3mQwD41> for recipes & instructions.



## DIY Solutions

- Vitamin B1 at 50-100mg emits an odor that mosquitoes avoid.
- Burn citronella candles around outdoor activity and seating areas.



## Protect yourself against mosquitoes



- Be aware of peak exposure times and places, especially dawn and dusk.
- Wear clothing that minimizes skin exposure such as long sleeved shirts, long pants, boots, and hats.
- Tuck in shirts, choose light colored clothing, and wear closed toed shoes instead of sandals.



For more information, visit <https://bit.ly/3mSUa4y>