

# Tips to Reduce and Repel Mosquitos



The U.S. Centers for Disease Control and Prevention (CDC) recommends the use of certain products containing active ingredients which have been registered by the U.S. Environmental Protection Agency (EPA) for use as repellents applied to skin and clothing. EPA registration of repellent active ingredients indicates the materials have been reviewed and approved for efficacy and human safety when applied according to the instructions on the label.

CDC evaluation of information contained in peer-reviewed scientific literature and data available from EPA has identified several EPA registered products that provide repellent activity sufficient to help people avoid the bites of disease carrying mosquitoes. Products containing these active ingredients typically provide reasonably long-lasting protection:

- DEET (Chemical Name: N,N-diethyl-m-toluamide or N,N-diethyl-3-methyl-benzamide)
- Picaridin (KBR 3023, Chemical Name: 2-(2-hydroxyethyl)-1-piperidinecarboxylic acid 1-methylpropyl ester )
- Oil of Lemon Eucalyptus\* or PMD (Chemical Name: para-Menthane-3,8-diol) the synthesized version of oil of lemon eucalyptus
- IR3535 (Chemical Name: 3-[N-Butyl-N-acetyl]-aminopropionic acid, ethyl ester)

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[www.pbcgov.com/coextension/\\_pdf/Repel and Reduce Mosquitos.pdf](http://www.pbcgov.com/coextension/_pdf/Repel%20and%20Reduce%20Mosquitos.pdf)

Source: Florida Resident's Guide to Mosquito Control, University of Florida EDIS

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