

Insect Repellant Chart

Chemical	Effective Against	Relative Effectiveness	Limitations	Product Names
DEET (N,N-diethyl-m-toluamide)	<ul style="list-style-type: none"> • Mosquitoes • Probably good for fleas and ticks, especially at higher concentrations. 	<ul style="list-style-type: none"> • 23.8% DEET provided an average of 5 hours of protection from mosquito bites. • 20% DEET provided almost 4 hours of protection. • 6.65% DEET provided almost 2 hours of protection. • 4.75% DEET and 2% soybean oil were both able to provide roughly 1 and a half hour of protection. 	<ul style="list-style-type: none"> • OK for young kids - only recommendation is from American Academy of Pediatrics, that says do not use under 2 months. 	<ul style="list-style-type: none"> • Off! • Jungle Juice
Picaridin (KBR 3023)	<ul style="list-style-type: none"> • Mosquitoes • 7% is good for fleas • >7% will probably be effective against ticks, but have not yet been approved 	<ul style="list-style-type: none"> • Roughly equivalent in effectiveness to DEET 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Cutter Advanced
Oil of Lemon Eucalyptus (p-menthane or PMD)	<ul style="list-style-type: none"> • Mosquitoes • Probably good for fleas and ticks, especially at higher concentrations (30%). 	<ul style="list-style-type: none"> • Roughly 1/2 as effective as DEET (30% solution of Oil will be as effective as 15% of DEET) 	<ul style="list-style-type: none"> • Not approved for <3 years old. 	<ul style="list-style-type: none"> • Repel Lemon Eucalyptus Insect Repellant Lotion
Permethrin	<ul style="list-style-type: none"> • Mosquitoes • Ticks • Fleas 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • Do not use on exposed skin 	<ul style="list-style-type: none"> • Permanone