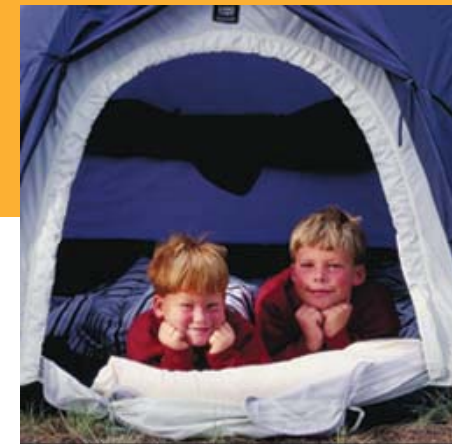


# HOW DO I CHOOSE AN INSECT REPELLENT?



**• ON EXPOSED SKIN**      **1 – 2 hours**                      **2 – 4 hours**                      **5 – 8 hours**

**MOSQUITOES**

Choose the appropriate repellent for the length of time you'll be outdoors. Reapply according to product instructions.

Protection varies by species of mosquito.  
Most mosquitoes that transmit diseases in the U.S. bite from dusk-dawn.

<10% DEET  
<10% picaridin  
<10% IR3535

~15% DEET  
~15% picaridin/KBR 3023  
~30% oil of lemon eucalyptus/PMD  
~15% IR3535

~20%-50% DEET

**TICKS**

Generally, repellent with 20 – 50% DEET is recommended to protect against tick bites.

Other factors affecting efficacy include: individual chemistry, sweat, numbers of bugs. Apply creams and lotions 15 to 20 minutes before going outdoors.

In areas where both mosquitoes and ticks are a concern, repellents with 20 - 50% DEET may offer the best, well-rounded protection.

The American Academy of Pediatrics has recommended that repellents containing up to 30% DEET can be used on children over 2 months of age.

The repellents shown here meet CDC's standard of having EPA registration and strong performance in peer-reviewed, scientific studies. They reflect products currently available in the U.S.

**• ON CLOTHING AND GEAR**

**Permethrin**



Permethrin pre-treatment of clothing and equipment can provide protection against mosquitoes and ticks through multiple washings. It is labeled for 70 washings. Do not use permethrin on skin.