



SACRAMENTO-YOLO MOSQUITO & VECTOR CONTROL DISTRICT

REMINDER...

- In general, higher concentrations of active ingredient provide longer duration of protection.
- Concentrations above 50% do not offer a marked increase in protection time.
- Repellents do not protect all users equally. The effectiveness of a repellent depends on the mosquito species that is biting and chemical scents given off by the person using the repellent.
- Reapply repellents as protection wanes and mosquitoes start to bite.

Protect yourself and your family by taking extra precautions:

- Reduce the number of mosquitoes in your area by getting rid of containers with standing water that provide breeding places for mosquitoes.
- Try to avoid being outside during dawn and dusk.
- Wear clothing with long sleeves and long pants while outdoors.
- Wear light colored clothing (mosquitoes are more attracted to dark clothing).

REPELLENT SAFETY

Always follow label instructions when using repellents.

- Apply repellents only to exposed skin and/or clothing.
- Do not apply repellents over cuts, wounds or irritated skin.
- Do not spray repellent directly on your face, spray on your hands and then apply to face. Use repellent spray sparingly around eyes, mouth and ears.
- Do not allow children to handle repellent and do not apply to children's hand. Apply repellent to your own hands first and then put it on the child.
- Use separate repellent and sunscreen products because they need to be reapplied at different times.
- Do not spray aerosol or pump products in enclosed areas.
- After returning indoors, wash treated skin and clothes with soap and water.

If you or your child suffers an adverse reaction following repellent use, discontinue use, wash affected areas and contact your physician.



SACRAMENTO-YOLO MOSQUITO & VECTOR CONTROL DISTRICT

FIGHT THE BITE

OFFICE LOCATIONS AND HOURS OF OPERATION

Sacramento County

8631 Bond Road
Elk Grove, CA 95624
Phone: 1-800-429-1022
Fax: 916-685-5464
Web site: FIGHTtheBITE.net
Hours: 7:00 am to 3:30 pm

Yolo County

1234 Fortna Avenue
Woodland, CA 95695
Phone: 1-800-429-1022
Fax: 530-668-3403
Web site: FIGHTtheBITE.net
Hours: 7:00 am to 3:30 pm

ABOUT MOSQUITO REPELLENTS

SACRAMENTO-YOLO MOSQUITO & VECTOR CONTROL DISTRICT



FIGHT THE BITE

THE BEST REPELLENT IS THE ONE YOU WILL ACTUALLY USE

Choose and use a repellent containing one of the following active ingredients so you can spend time enjoying the outdoors knowing you are protected from biting insects and the diseases they may transmit.

Consider these factors when choosing an insect repellent:

- How much time will you need to be protected from biting insects?
- What type of activities will you be performing during the time of protection?
- Be sure to use a product with a protection time that fits your activity and **always follow the label directions to ensure proper use.**



DEET

DEET-based repellents have provided effective, dependable protection since the 1950s.

Repellents containing DEET are available in various concentrations that repel insects equally well for the length of time they are needed.

DEET-based products are available in a wide variety of forms, including lotion, wipes, aerosol, and pump sprays.

Can be used on children 2 months and over

RECOMMENDED ACTIVITIES

- Extended hikes
- Water play
- Heavy yardwork
- Outdoor afternoon to late night activities
- Overnight camping

PICARIDIN

Picaridin is a synthetic repellent developed in the 1990s that has been commercially available in the United States since 2005.

Picaridin is an effective alternative to DEET products which provides long-lasting protection.

Picaridin is odorless, has a pleasant feel and doesn't damage certain fabrics and finishes affected by other repellents.

Can be used on children 2 months and over

RECOMMENDED ACTIVITIES

- Barbecues
- Hiking
- Heavy yardwork
- Outdoor afternoon to late night activities

OIL OF LEMON EUCALYPTUS

Oil of lemon eucalyptus is a natural plant-based repellent that is derived from the oil of the leaves of the Eucalyptus tree.

Repellents containing oil of lemon eucalyptus provide protection similar to that of products containing low concentrations of DEET.

These products tend to have a strong botanical smell and are available in a wide variety of formulations, including pump sprays and lotions.

Can be used on children 3 years and over

RECOMMENDED ACTIVITIES

- Activities at the park
- Yardwork
- Stroll Around the neighborhood

IR3535®

IR3535®, also called Merck 3535, has been used as insect repellent in Europe for over 20 years.

IR3535® was approved for use in the United States in 1999, and is currently available in aerosol, pump sprays and wipes.

While EPA recognizes the use of IR3535® as safe for adults and children, be advised that it is an eye irritant, avoid any contact with the eyes.

Can be used on children 6 months and over

RECOMMENDED ACTIVITIES

- Barbecues
- Heavy yardwork
- Extended hikes
- Overnight camping
- Outdoor afternoon to late night activities

ALL THESE ACTIVE INGREDIENTS REPEL MOSQUITOES AND TICKS