Sprays, lotions, or fans? We set the record straight on what really works to keep mosquitoes, ticks, bees, and wasps from spoiling summer fun.

MOSQUITOES

water where

mosquitoes lay

Jody Gangloff-

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an entomologist at

Cornell University.

Also consider

their eggs, advises

For preventing bites, your best bet is a product containing DEET. Research shows it outperforms other repellents and ultrasonic devices. Look for products with 25% to 35% DEET; you don't need to go higher, although be sure to reapply per the label directions. If you want to avoid DEET, picaridin (10% to 20%) is a close second, followed by oil of lemon eucalyptus (40%), says Joseph M. Conlon, technical advisor for the American Mosquito

spraying the yard to help limit the population. For porch-sitting or outdoor dining, put pedestal fans around the table and box fans near your legs. The current will carry away the bugs, including Asian tiger mosquitoes (carriers of West Nile virus),

which favor lower

extremities. Skip

attract more male

except smell nice.

zappers; they

mosquitoes (who Control Association. don't bite) than . YARDWORK female. And there's Remove debris like little evidence that tires, tarps, and citronella candles or oils do anything

Typically a mosquito

bite causes only an annoyingly itchy bump, best relieved with a dab of antihistamine cream. But depending on species and location, mosquitoes carry a number of potentially serious diseases, including West Nile virus, encephalitis strains, and Zika (so far only in Florida and Texas in the mainland United States). Check with your doctor if you develop a rash, headache, nausea aches, pains, or other flulike symptoms in the few days and weeks

[SWATTING AT MOSQUITOES WORKS]

New research shows that the air current you create when swatting carries the mosquitoes away. They learn to associate your scent with that unpleasant motion, so they look for other previous

Flowery scents are a main attraction for bees, so on days vou'll be outdoors, consider using neutral-smelling hair products and lotion. Also know that wasps are drawn to food, especially sweets, so cover food and garbage. If a bee or wasp comes near, move away calmly-into shade if possible. Gangloff-Kaufmann says. If you panic

could release alarm pheromones calling out support from

fellow buzzers. YARDWORK Fruit trees are bia attractants in late summer and early fall, so don't picnic under the apple tree then. Be alert for yellow jacket nests (gray honeycombs) on the ground and in piles of leaves or compost. Wasps prev on other insects, so if you see a papery wasp nest on the eaves of your house or a fence, let it be unless the wasps are bothering you.

quickly removing

the stinger reduces the amount of venom entering the body, which starts happening within seconds. Wipe the area with gauze or scrape with a clean fingernail, then rinse with soap and cold water to get rid of any residue venom and reduce swelling. For all stings, apply an ice pack or cold compress ASAP. Some people say applying a paste of and vinegar can also help mitigate the reaction.



TICK CHECK SCAN FOR TICKS NIGHTLY. (IT TAKES 36-48 HOURS FOR A TICK TO TRANSMIT LYMP BACTERIA AFTER BITING YOU.) PAY ATTENTION TO YOUR SCALP WAIST, UNDER THE ARMS, IN

& AROUND THE EARS AND BELLY BUTTON AND BACKS OF KNEES.

A repellent with DEET is the gold standard. For extra protection, spray your clothes with a permethrin-based product. If you're hiking or working in brush or tall grass, wear a long-sleeve shirt and long pants tucked into socks.

*YARDWORK

Keep grass trimmed because ticks like to hang out on long grass and hop on deer or mice. If your yard borders a woodsy area, you can create a 3-footwide wood chip or gravel "moat" at that border to discourage ticks from making their way in. You can also set out tubes filled with permethrinsoaked cotton. Mice take the cotton chemical kills ticks hitching a ride. (The mice are unharmed.)

Remove a tick by pulling straight up with tweezers; don't leave any of the tick behind. Check to see if your doctor wants to ID the tick, says Amesh Adalia. M.D., spokesperson for the Infectious Diseases Society.

Then keep an eye out for Lyme disease symptoms: joint pain, fatique, fever, rash. It can take a few weeks for antibodies to develop and result in a positive test, so you'll likely have to get two tests a few weeks apart to confirm. Also know that doctors are advised to start antibiotics once you have symptoms, especially the characteristic bull'seye rash.

[ALLERGY ALERT]

About 5 percent of people are allergic to insect venom. Call 911 for a swollen throat, tongue, or face; dizziness; or trouble breathing.

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