



Mosquito and Vector Management District of Santa Barbara County

Invasive Aedes Mosquito Traps

The yellow fever mosquito was detected in Santa Barbara County for the first time in September of 2020



YELLOW FEVER MOSQUITO
Aedes aegypti



ASIAN TIGER MOSQUITO
Aedes albopictus

The Mosquito and Vector Management District of Santa Barbara County (MVMD) has been conducting surveillance for non-native yellow fever mosquitoes (*Aedes aegypti*) and Asian tiger mosquitoes (*Aedes albopictus*) that have become established in several California counties. These mosquito species carry and transmit Zika, dengue, chikungunya, and yellow fever viruses to humans in parts of the world where those diseases are present. Humans are their preferred hosts, with the ankles being the most common target. *Aedes aegypti/albopictus* are aggressive **daytime biters** and live in close association with humans. Eggs are laid in containers commonly found near homes such as buckets, tires, vases, drains, or bird baths, and they can stay viable for 6 to 12 months. The eggs hatch when the container fills with water. Larvae can develop in containers as small as a bottle cap!



BG-Sentinel 2 Mosquito Trap



BG-Sentinel 1 Mosquito Trap

Detecting invasive *Aedes* mosquitoes quickly can prevent them from spreading

See reverse for more traps



BG-Sentinel mosquito traps are placed in urbanized settings rather than near the wetland habitats that most of our native mosquito species prefer. BG-Sentinel traps utilize an electrical outlet or can run off an automotive battery and are baited with substances found on human skin.

Mosquito Traps

Please
do not disturb!



Ovi-cups are used to monitor invasive *Aedes* mosquito activity in an area by providing an ideal egg-laying habitat

In areas where invasive *Aedes* mosquitoes are suspected to occur, BG-Sentinel traps, along with the traps pictured here, will be used to detect them. Most traps are set for about a week.



CO₂ traps lure many species of mosquitoes with dry ice, mimicking the smell of an exhaling animal. These traps are set overnight.



AGO traps catch the female invasive *Aedes* on a sticky surface as she enters to lay eggs

Gravid traps are mainly used to collect *Culex* mosquitoes as they lay eggs on the water surface; they are then tested for West Nile virus. Filter paper may be attached to the side in case invasive *Aedes* mosquitoes ready to lay eggs are nearby.



If you are being bitten by mosquitoes during the day, or think your property may be a good place for a mosquito trap, contact us!

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