



MOSQUITOES IN ALTADENA

Preventing mosquito-borne disease outbreaks

Presented by:

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San Gabriel Valley Mosquito and Vector Control District



San Gabriel Valley Mosquito & Vector Control District

We monitor and control for mosquito-borne disease in the community while supporting residents to keep their properties bite-free.

By the numbers:

- We serve 26 cities and unincorporated L.A. County communities in San Gabriel Valley
- 1.5 million residents
- We have 37 full-time employees
- \$16.90 per year, per parcel



Vector Control Work in Your City



MOSQUITO THREATS

World's Deadliest Creature

Cause over 1 million human deaths every year

Transmit mosquito-borne diseases.

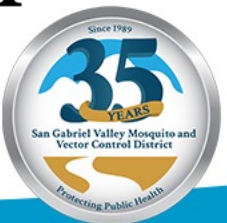
Like West Nile virus, Zika, dengue, etc.

Potential to cause outbreaks.

It only takes one mosquito to bite an infected person, and then bite and pass the disease to multiple people.



1/4 Inch



MOSQUITOES IN YOUR COMMUNITY

CULEX MOSQUITOES

- Native
- Active at Dusk & Dawn
- Transmit West Nile virus (“Bird Disease”)

West Nile Virus

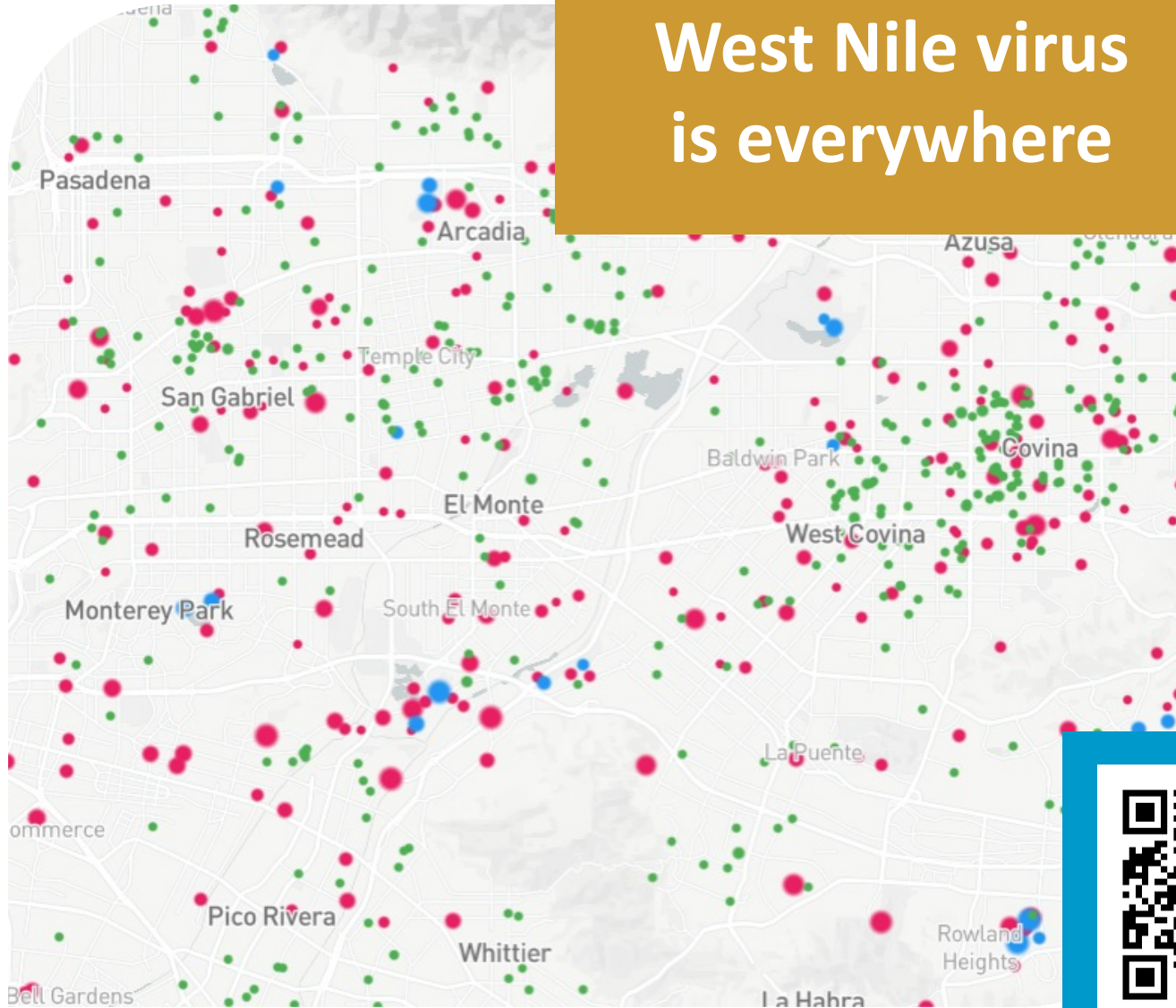
- Flu-like symptoms for 1 in 5 people infected
- Central nervous system affected for 1 in 150 people infected



AEDES MOSQUITOES

- Invasive
 - Day-time biter
 - Transmits Zika, dengue, canine heartworm
-
- Develops resistance to adult pesticides
 - No active disease transmission
 - Imported travel cases
 - Potential for outbreak

West Nile virus is everywhere



In California:

2023 WNV+ Mosquitoes: 4,522

2022 WNV+ Mosquitoes: 3,165

2021 WNV+ Mosquitoes: 2,628

In SGVMVCD:

2023 WNV+ Mosquitoes: 245

2022 WNV+ Mosquitoes: 165

2021 WNV+ Mosquitoes: 190



WNV Activity in San Gabriel Valley



TIP, TOSS, **AND PROTECT**



**Resident
Resources**

- **Tip** stagnant water from containers weekly
- **Toss** unused containers
- **Protect** with insect repellent
 - DEET
 - Oil of Lemon Eucalyptus (or PMD)
 - Picaridin
 - IR3535
- **Create a Bite Back Group** in your neighborhood at www.BiteBackChampion.org
- **Submit a Tip** to 626-814-9466 or www.SGVMosquito.org



REPEL MOSQUITO BITES SAFELY AND EFFECTIVELY

Well-researched CDC-recommended and EPA-registered **active ingredients**



Oil of lemon eucalyptus



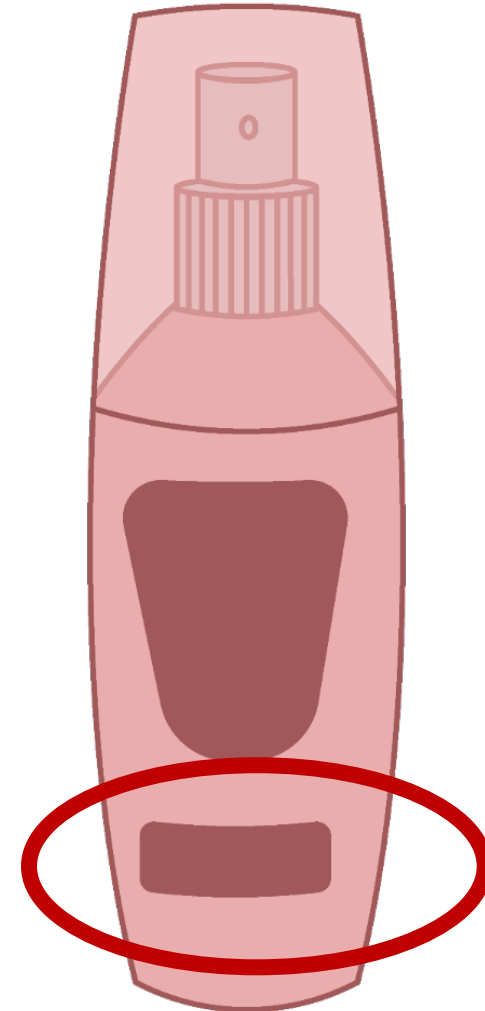
DEET



Picaridin



IR3535

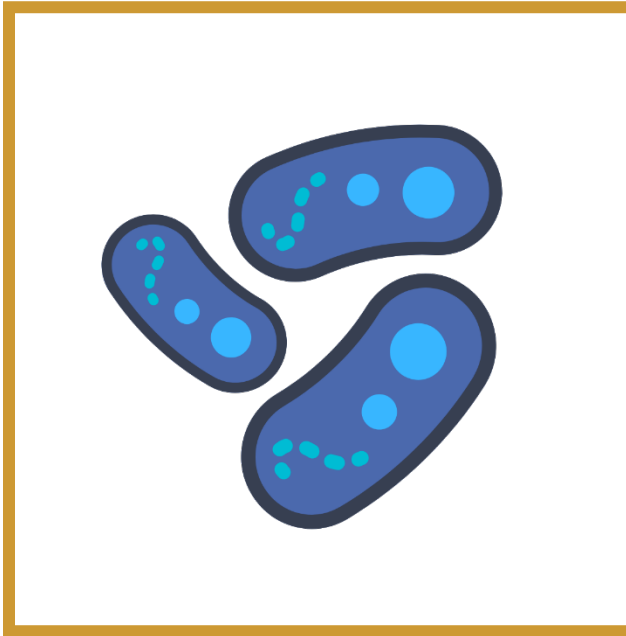


INNOVATIVE TECHNOLOGIES



IRRADIATION

Following irradiation, sterile mosquitoes mate with wild females but the resulting eggs will not hatch



WOLBACHIA

Male mosquitoes with Wolbachia will mate with wild female mosquitoes that don't have Wolbachia, resulting eggs will not hatch



SELF-LIMITING

Self-limiting gene that prevents female mosquitoes from producing offspring capable of reaching adulthood

THANK YOU

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