

# Mosquito Control Matters

## FIGHT THE BITE

Current Issues and Challenges Related  
to Mosquito Control

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District Manager



# Mission: Protect Public Health

- To provide safe, effective and economical mosquito and vector control. To accomplish this, we provide ongoing surveillance of mosquitoes and other vectors to determine the threat of disease transmission and lower annoyance levels.
- District operates under the California Health and Safety Code

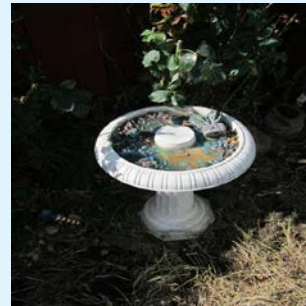


# Integrated Mosquito Management Approach

- Public Information
- Surveillance
- Biological Control
- Ecological Management
- Chemical Control



# Different Mosquito Breeding Habitats

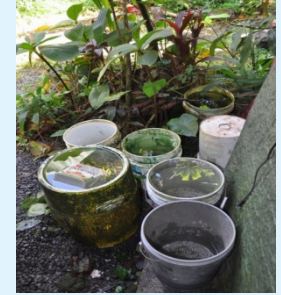


Sacramento-Yolo  
MOSQUITO & VECTOR  
CONTROL DISTRICT

[www.FIGHTtheBITE.net](http://www.FIGHTtheBITE.net)

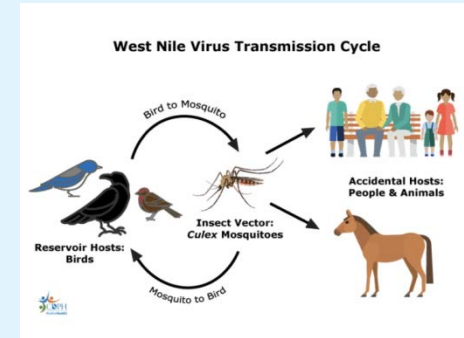
# Wet winter could mean a busy mosquito season

- Record amount of rain
- Many sources of stagnant water
- Combination of water and warm temperatures create ideal mosquito breeding conditions



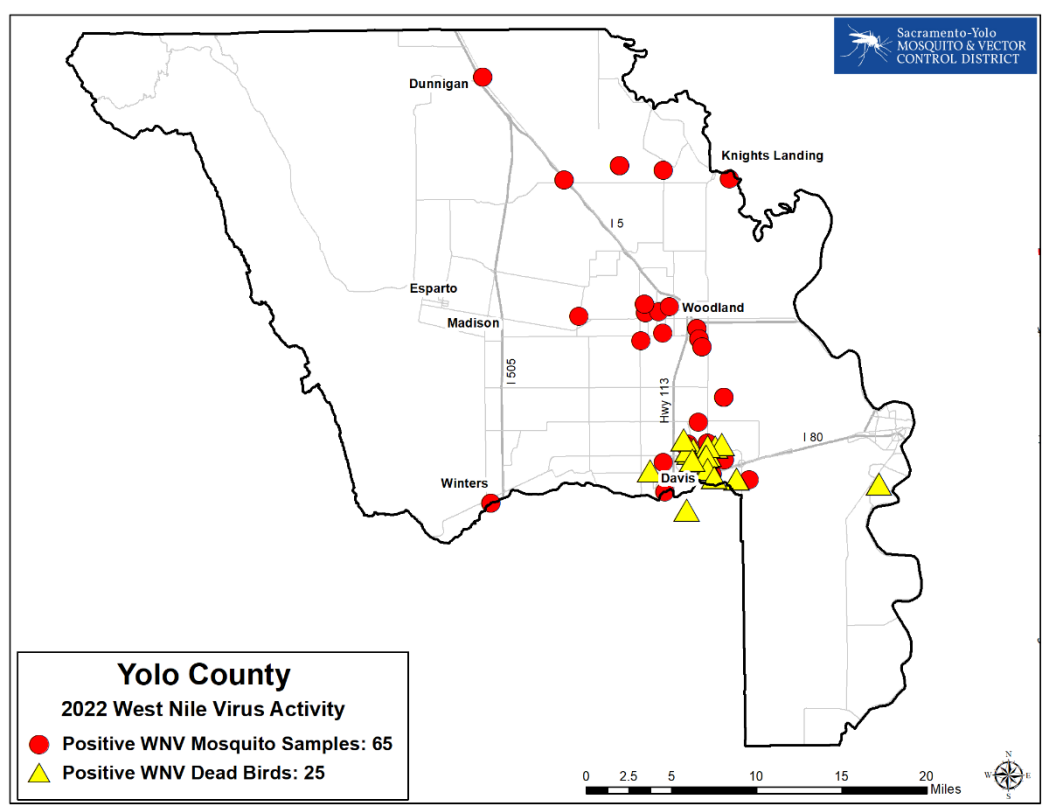
# WNV Activity in California

<u>Year</u>	<u>Mosquito Samples</u>	<u>Human Cases</u>	<u>Potential Cases</u>
2022	3165	208	6,000-15,000
2021	2,263	128	3,000-8,000
2020	2,628	231	6,000-15,000
2019	3,288	225	6,000-15,000
2018	1,963	218	6,000-15,000
2017	3,371	536	16,000-37,000



**\*\*WNV is extremely under reported. The Centers for Disease Control estimates that for every neuroinvasive case confirmed, there are approximately 30-70 cases that are not reported\*\***

# West Nile Virus Activity in Yolo County

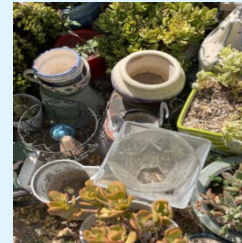


# New Concern: Invasive Mosquitoes

## *Aedes aegypti* and *Aedes albopictus* (Yellow Fever Mosquito and Asian Tiger Mosquito)

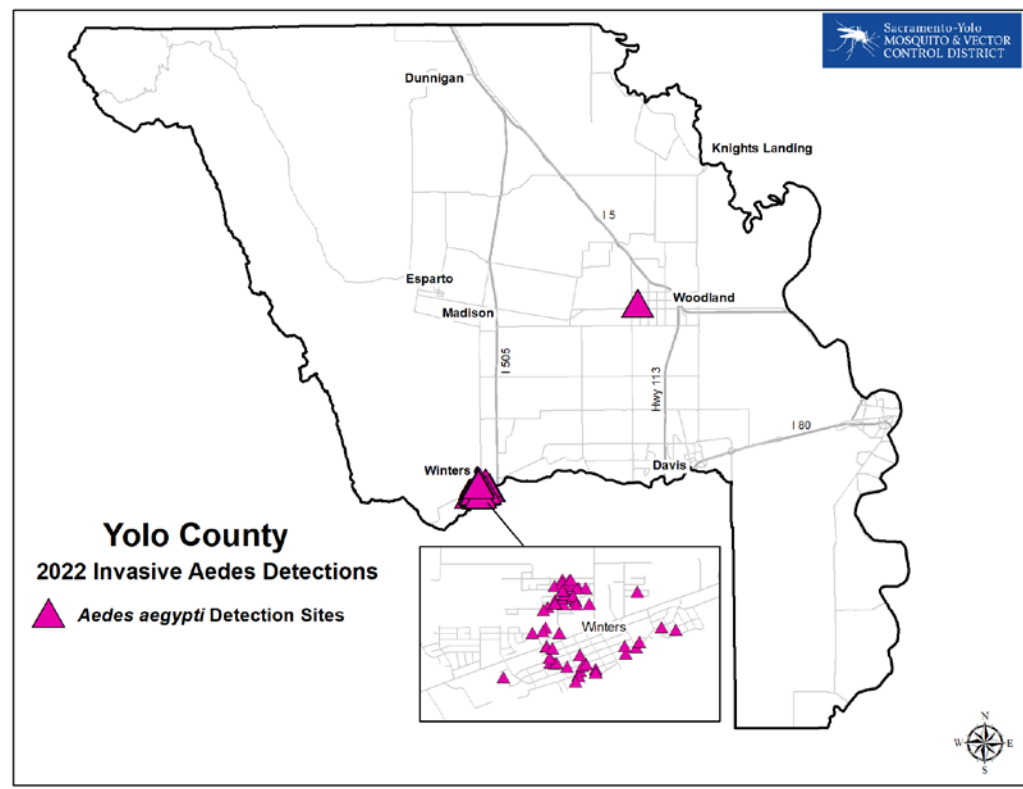


- An aggressive day biting mosquito that prefers to bite humans.
- They especially like to bite ankles, wrists and elbows
- Prefers to live in urban areas both indoors and outdoors
- Can breed in as little as 1 teaspoon of water and can complete life cycle in 7-10 days
- Eggs are laid on the side of containers and are resistant to drying out. They can survive without water for many months
- Capable of transmitting several debilitating diseases including Zika, dengue and chikungunya



# Detections of Invasive Mosquitoes

- Discovered for the first time in 2019 within District boundaries and have been rapidly spreading.
- In 2022 invasive mosquitoes were detected in various new areas within District boundaries.
- Currently conducting surveillance throughout the county with a special focus on Winters.



# Thank you!



**1-800-429-1022**

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