



Reducing Runoff to Reduce Disease Risk

Vector Control – A Shared Responsibility

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Orange County Vector Control District



OCVCD Background

- ▶ Independent Special District
 - Protecting Public Health Since 1947
- ▶ Mission:
 - *The mission of the Orange County Vector Control District is to provide the citizens of Orange County with the highest level of protection from vectors and vector-borne diseases.*
- ▶ What is a vector?
 - Any insect or other arthropod, rodent or other animal of public health significance capable of harboring or transmitting the causative agents of human disease, or capable of causing human discomfort, or injury.

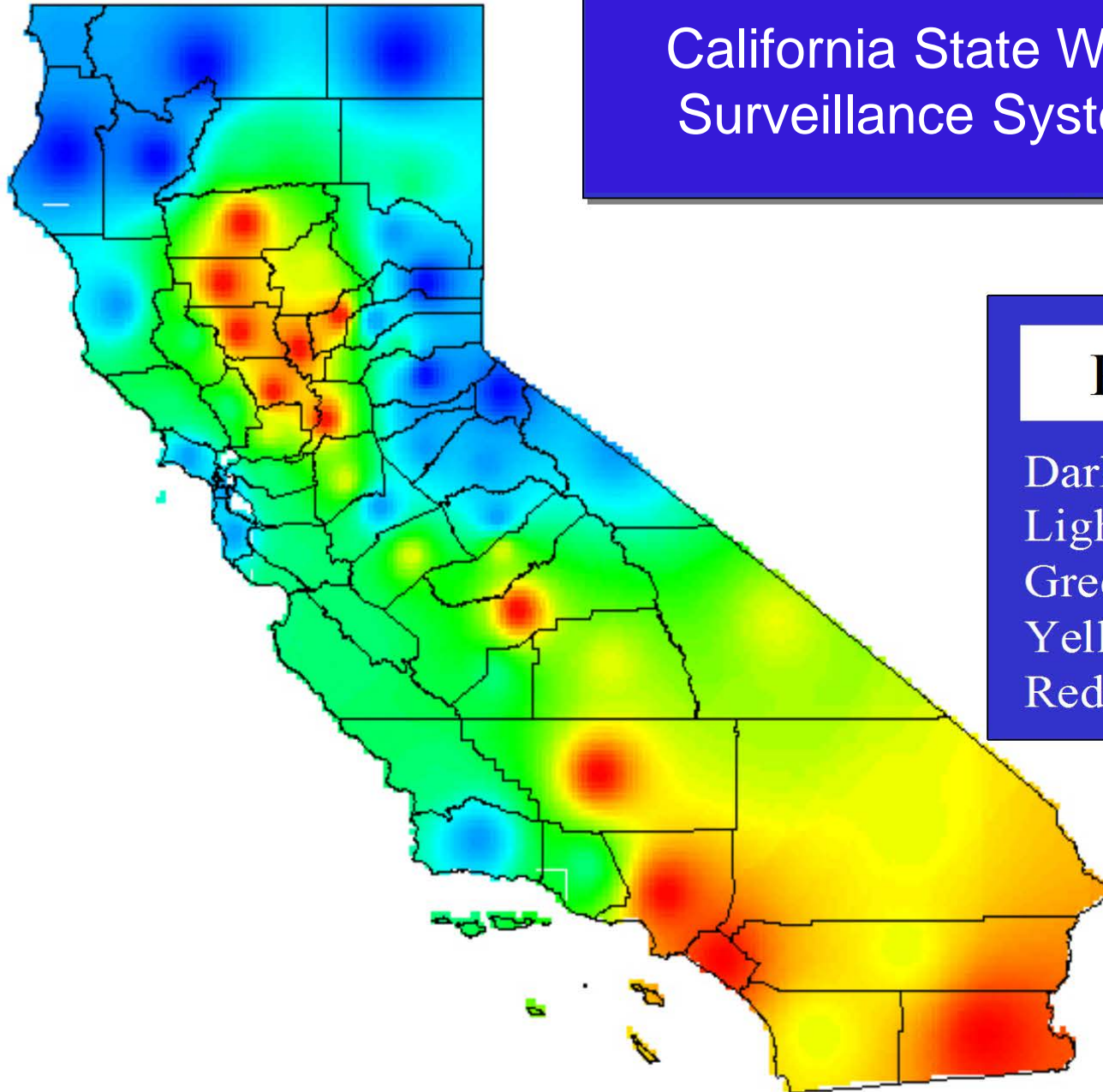
OCVCD Protects Public Health

- ▶ OC Vector Control is **not** a pest-control agency.
 - The District controls vectors as defined by the California Health and Safety Code.
 - Mosquitoes
 - Active control
 - Education
 - Rats
 - Active control
 - Education
 - Fire Ants
 - Active control
 - Flies
 - Education

Protect Public Health
Prevent Disease Transmission
Control Nuisance Conditions
Reduce Property Damage



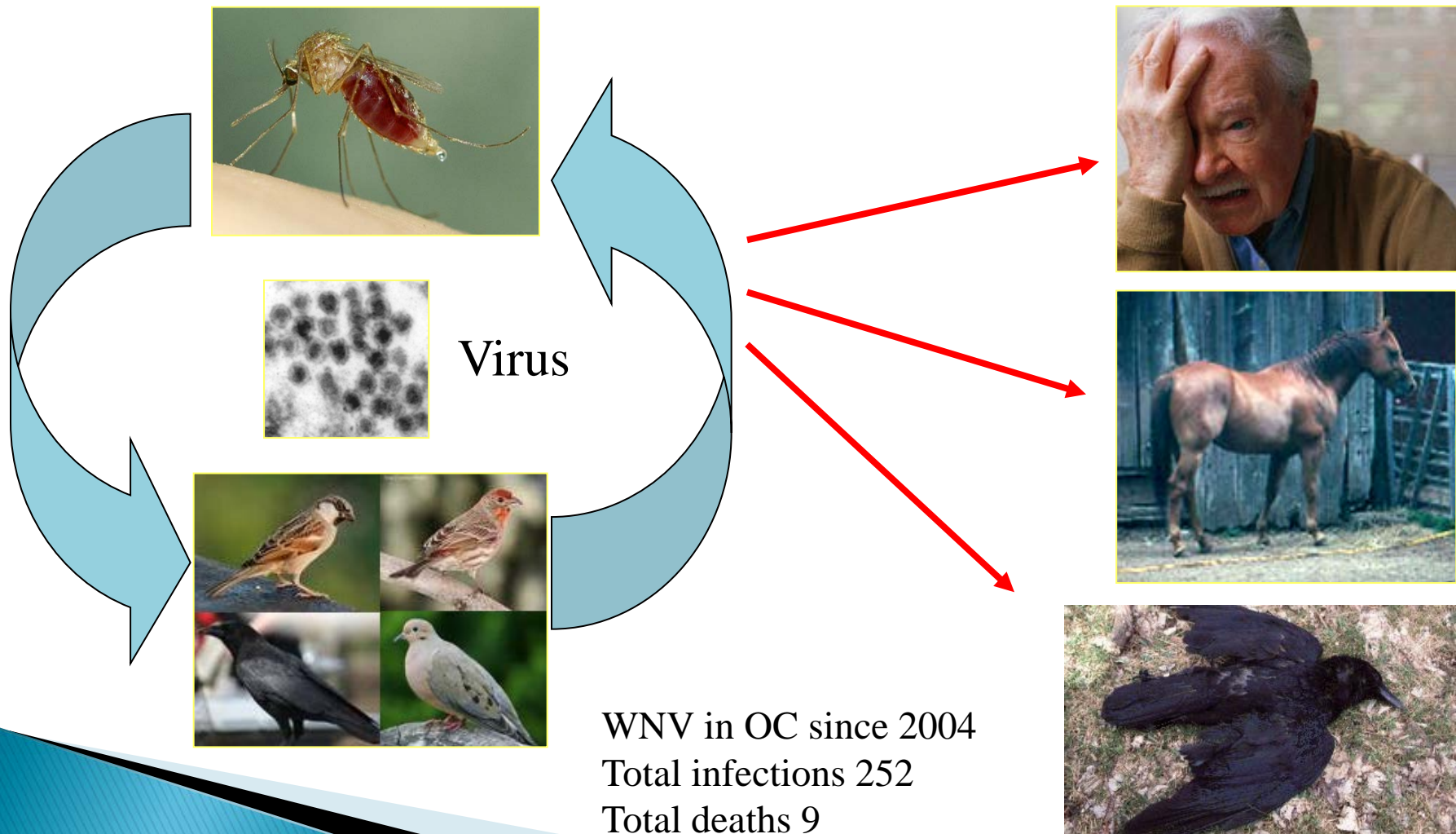
California State West Nile Virus Surveillance System Risk Map



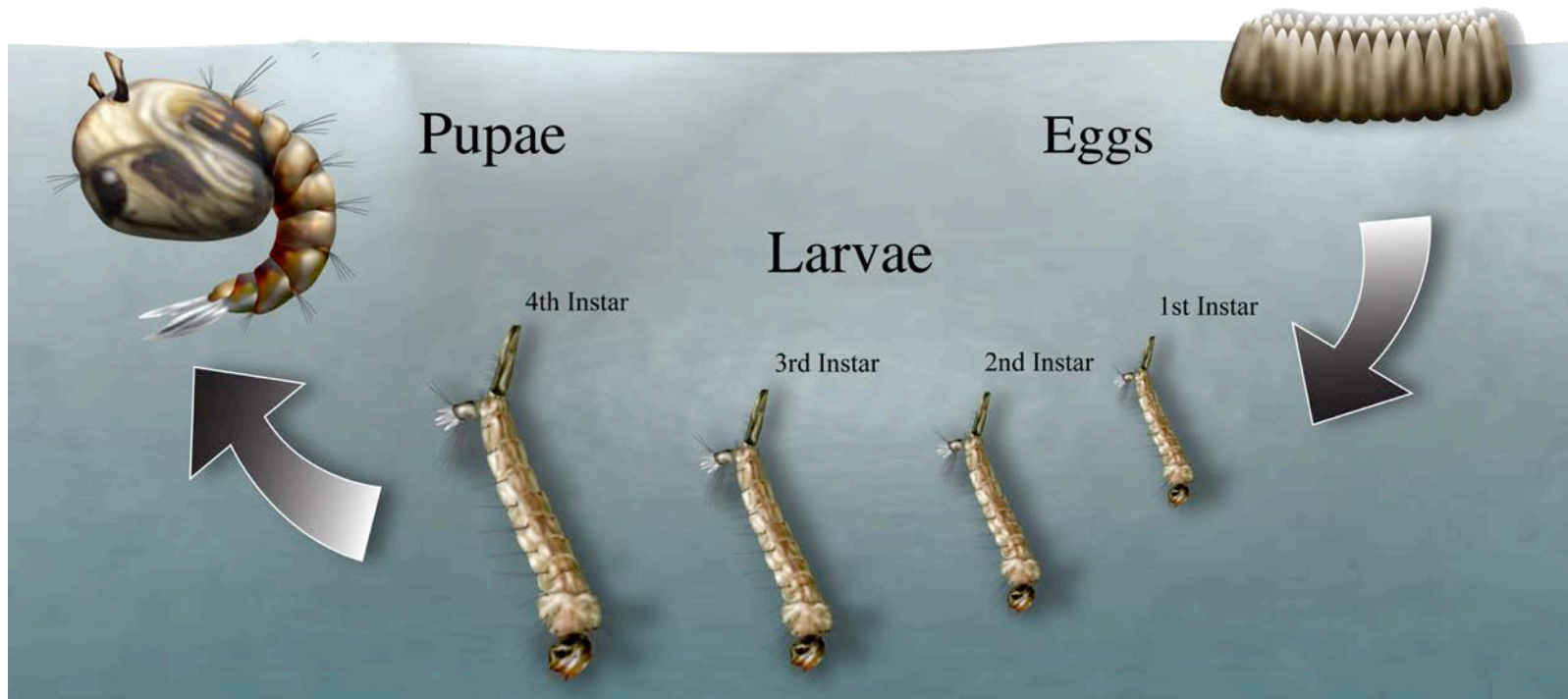
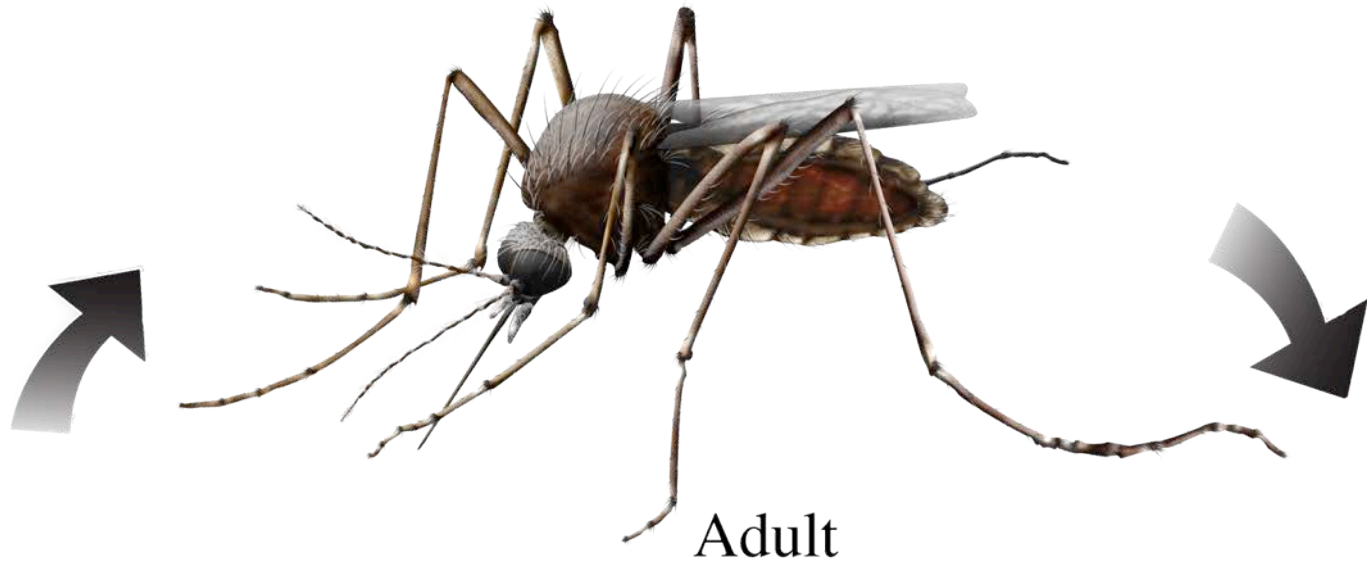
Risk Levels

Dark blue	1
Light blue	2
Green	3
Yellow	4
Red	5

West Nile Virus: A Bird Virus Transmitted by Mosquitoes



Mosquito Life Cycle



Mosquito Breeding Sources

Fresh Water Marshes



Storm Drains



Flower Pot Saucers



Foreclosed Homes

Mosquito Breeding Sources







Eliminate Standing Water Sources

- ▶ Reduce water use
- ▶ Eliminate over irrigation
- ▶ Fix leaky sprinkles and pipes
- ▶ Empty containers
- ▶ Maintain drains, ditches, basins, stormwater units
- ▶ Screen rain barrels
- ▶ Report bad pools

Rats



Indicators of Rats



Indicators of Rats



Other Attractants

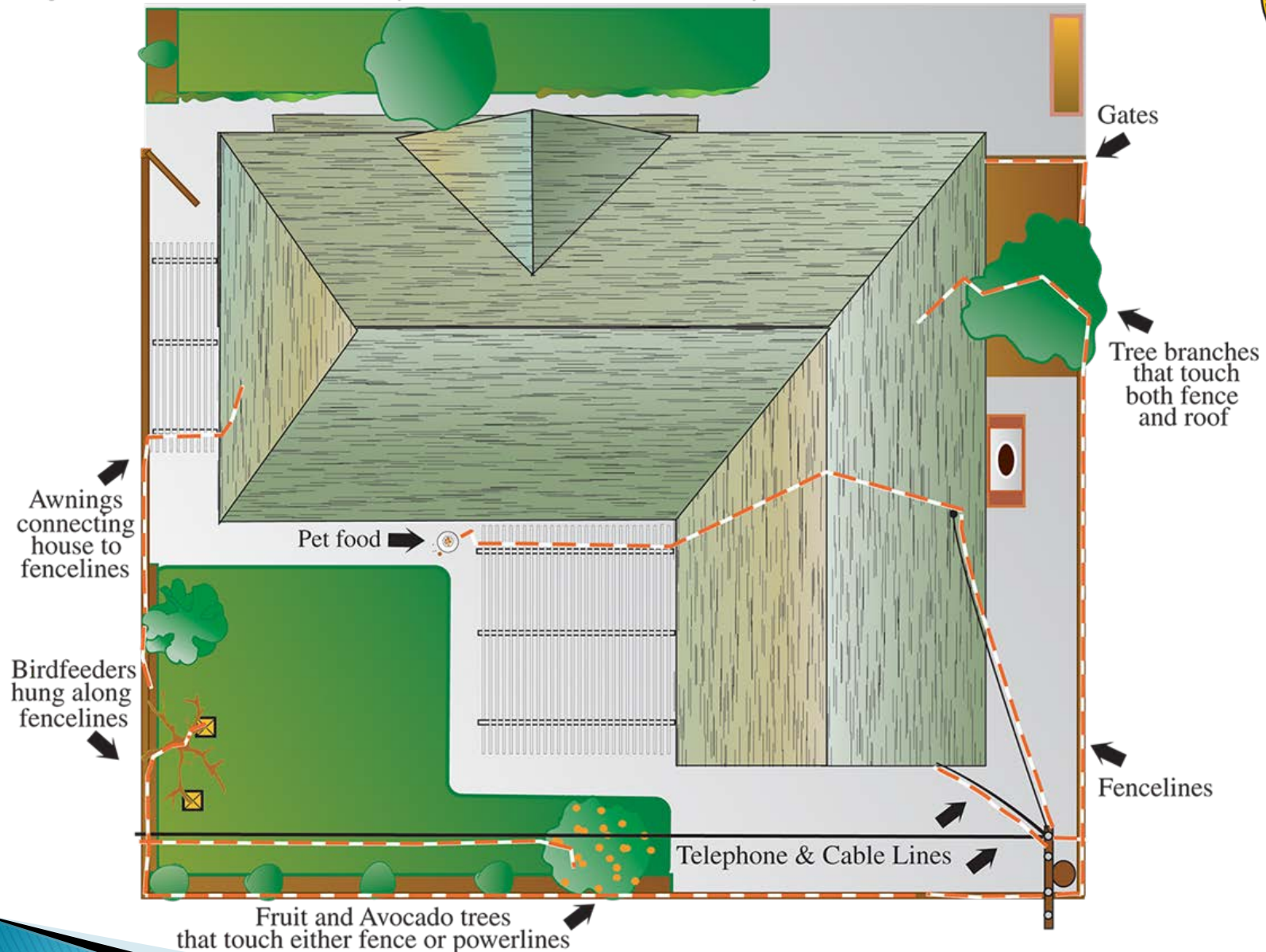


Plants that Attract Roof Rats

- Algerian Ivy
- Bougainvillea
- California Fan Palm
- Canary Island Date Palm
- Creeping Fig Vine
- Italian Cypress
- Natal Plum
- Oleander
- Sydney Golden Wattle
- Yucca
- Cape Honeysuckle



"Bridges" that connect backyard food sources and your house with rat travel routes





Don't





DO



Eliminate Harborage and Food Sources

- ▶ Eliminate over irrigation slopes, fix leaks
- ▶ Maintain vegetation away from homes
- ▶ Avoid mats of vegetation
- ▶ Prohibit or limit use of bird feeders
- ▶ Remove pet food and water
- ▶ Pick ripe fruit and vegetables
- ▶ Report conditions of harborage or infestations



Snail Control!



How You Can Help

- ▶ Adopt CC&R guidelines that reduce attractants of vectors (i.e. limit bird feeders, no feeding of wildlife)
- ▶ Provide community-wide rat and or snail control if conditions warrant
- ▶ Vegetation management of common areas and slopes
- ▶ Facilitate community education opportunities with vector control staff
- ▶ Provide reliable access for vector control inspectors and up to date contact information
- ▶ Report problems

*“Public health protection is
a shared responsibility”*



How We Can Help

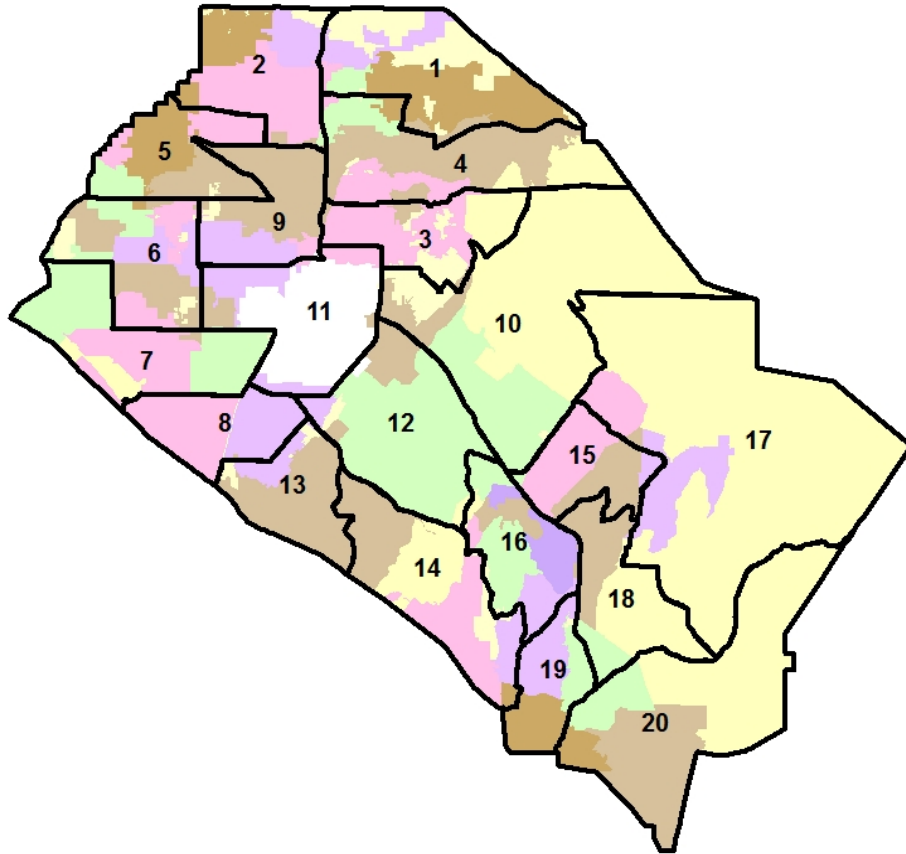
- ▶ Provide service inspection for individual homeowners
- ▶ Provide community inspection and consultation for HOAs and Property Managers
- ▶ Assist with control treatment as needed for outside areas for homeowners
- ▶ Provide information and resources
- ▶ Participate in community education events

*“Public health protection is
a shared responsibility”*

Contact Your Inspector



MAP OF DISTRICT SHOWING CITIES AND ZONES



- ▶ Urszula Niewola (18) - San Juan Capistrano, Mission Viejo, Unincorp.

714-971-2421 ext. 174

uniewola@ocvcd.org

- ▶ John Drews (19) - Dana Point, Laguna Niguel, San Juan Capistrano

714-971-2421 ext. 133

jdrews@ocvcd.org

- ▶ Ray Cavileer (20) - San Clemente, Dana Point, San Juan Capistrano, Unincorp.

714-971-2421 ext. 104

rcavileer@ocvcd.org



Orange County Vector Control District

Serving Orange County Since 1947

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"A vector is any insect or arthropod, rodent or other animal of public health significance capable of harboring or transmitting the causative agents of human disease, or capable of causing human discomfort or injury."

PLEASE REPORT **DAY-BITING MOSQUITOES** (**ASIAN TIGER MOSQUITOES**) BY CALLING OR CLICKING [HERE!](#)

Latest News

[Adult Mosquito Control Application Schedule](#)

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Aviso

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Vector Surveillance Data

Orange County Vector Control District
West Nile Virus Monitoring Sites

Orange County Vector Control District

13001 Garden Grove Blvd.
Garden Grove, CA 92843
Phone: (714) 971-2421 or (949) 654-2421
Fax: (714) 971-3940
Request Service: [Click Here](#)
General Inquiry: ocvcd@ocvcd.org

Hey OC! Did You Know...

OCVCD



Presents:

A Homeowner's Guide to Rodent Control