

# UP3 Project



## Highlights – 2006 UP3 Project Urban Pesticide Use Trends Report

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# Approach to Estimating Urban Pesticide Use

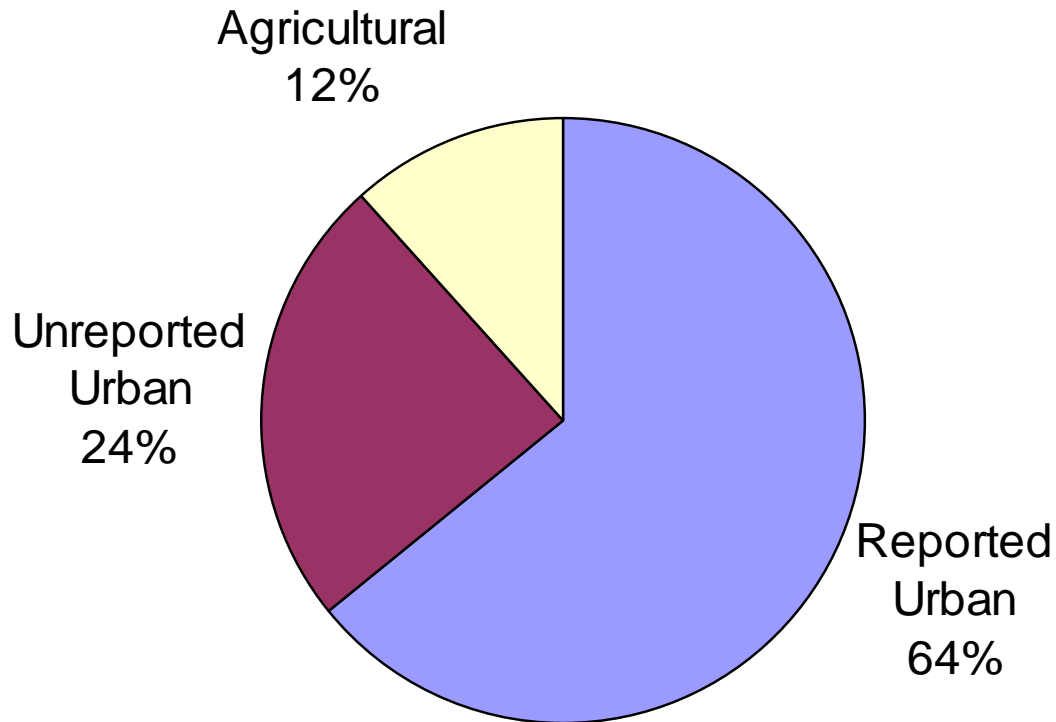
$$\text{Statewide Unreported Use} = \text{Statewide Sales} - \text{Statewide Reported Use}$$

$$\text{County Unreported Use} = \text{Statewide Unreported Use} \times \frac{\text{County Population}}{\text{State Population}}$$

$$\text{Urban Use in a County} = \text{Reported Urban Use} + \text{County Unreported Use}$$

- *All unreported use is assumed to occur in urban areas*
- *Sales data is only available statewide*

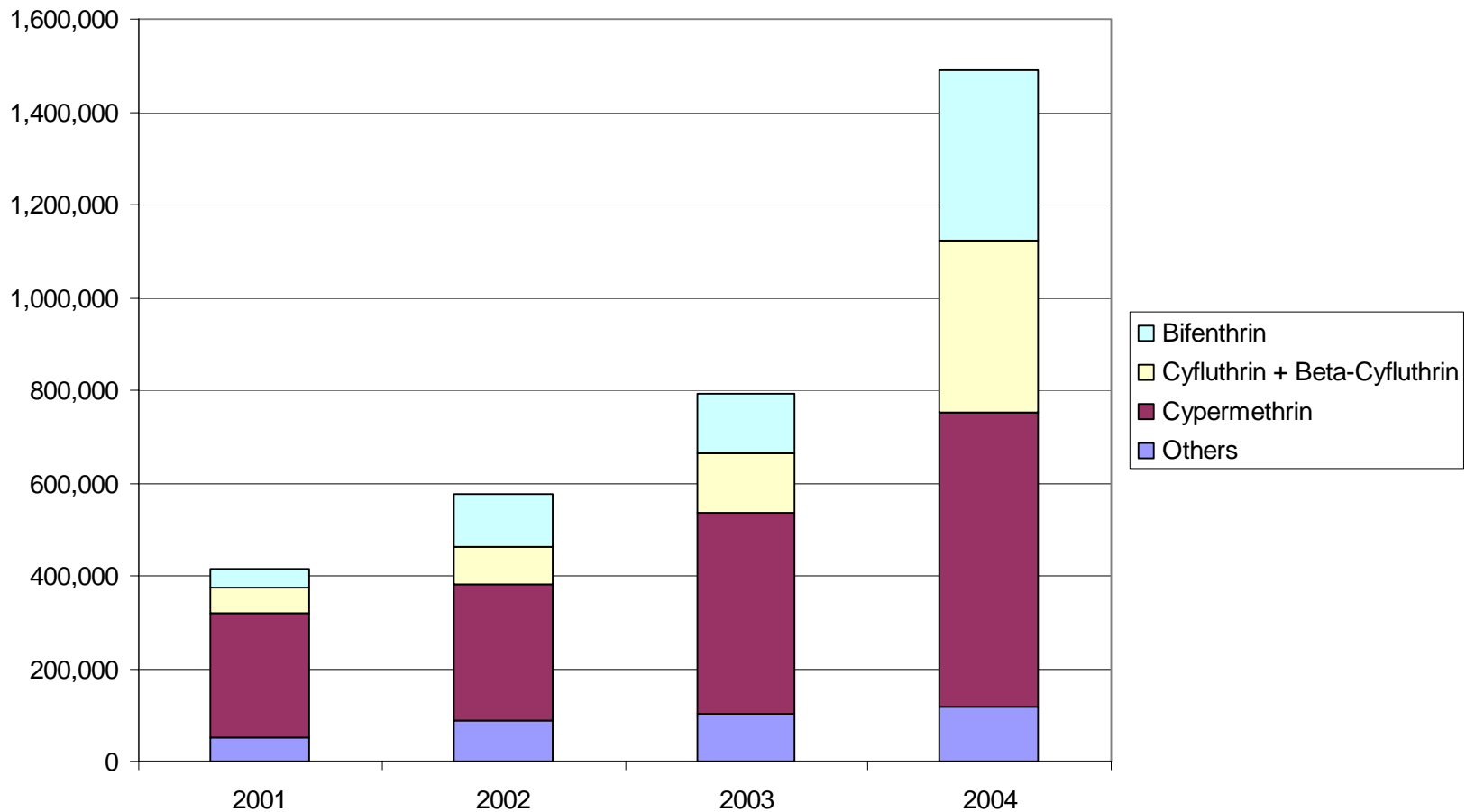
# Almost 90% of California Pyrethroids Use is in Urban Areas



Estimated use of study list pyrethroids in California, 2004 (permethrin equivalents)

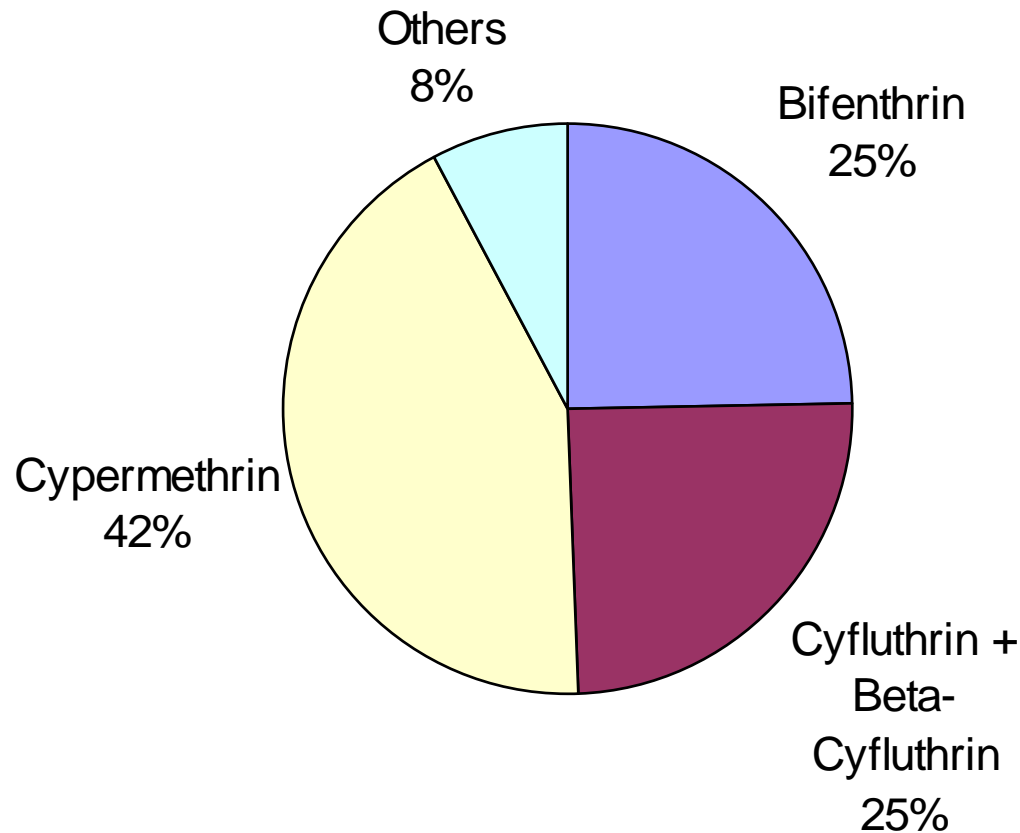
# Bay Area Pyrethroids Use More Than Tripled Between 2001 & 2004

*Increase coincident with diazinon phase out*



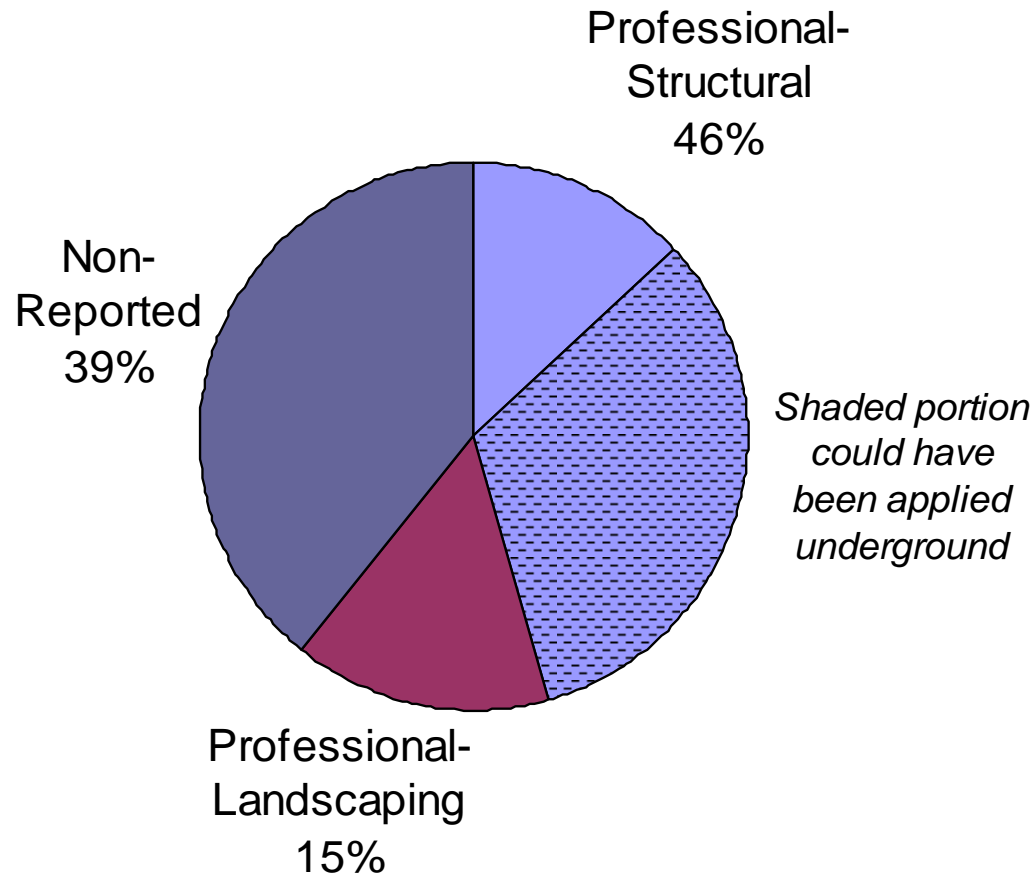
Estimated use of study list pyrethroids in the San Francisco Bay Area 2001-2004 (permethrin equivalents)

# Cypermethrin, Cyfluthrin & Bifenthrin Products Contain > 90% of the Pyrethroid Toxicity Used in the Bay Area



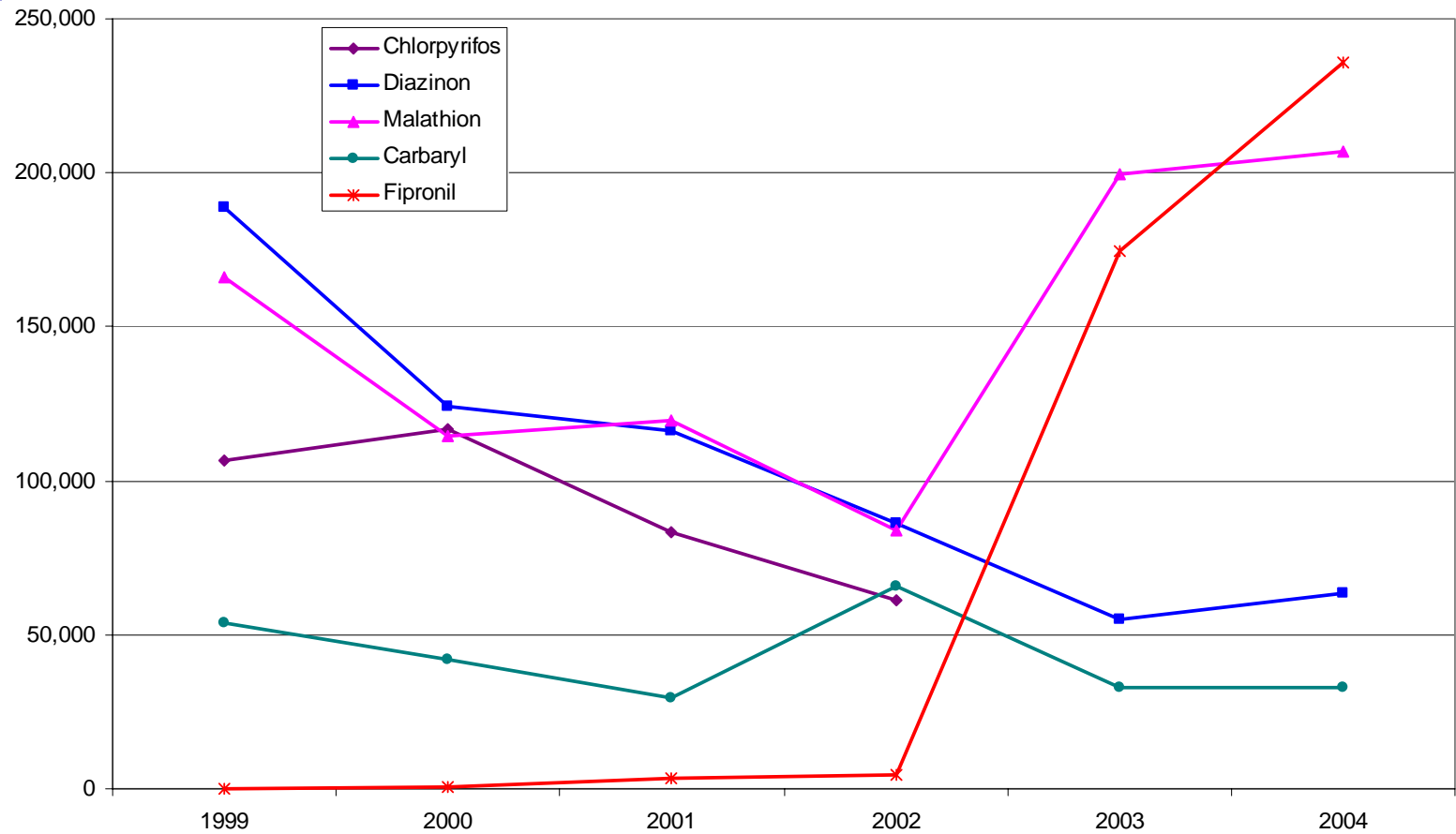
Estimated use of study list pyrethroids in the San Francisco Bay Area, 2004 (permethrin equivalents)

# All User Groups Apply Pyrethroids Outdoors in the Bay Area



# Trends in Use of Other Pesticides in the Bay Area 1999-2004

*Note increases in Malathion & Fipronil*



Estimated use of selected insecticides in the San Francisco Bay Area, 1999-2004



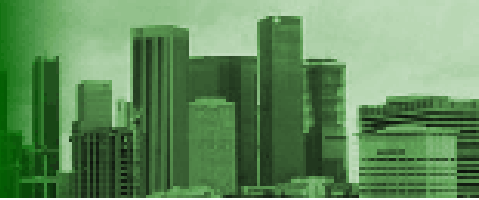
# Top Two Management Recommendations

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1. Target outdoor, above ground use of pyrethroids in pesticide toxicity reduction programs
2. Seek to change the way Argentine ants are kept out of buildings in California



# UP3 Project



For full report:

[www.up3project.org](http://www.up3project.org)