

WHAT'S NEXT

By 2025, as a first step in implementing these priorities, the SPM Work Group and Urban Subgroup call on the state to develop a plan, funding mechanisms, and programs to prioritize pesticides for reduction, and to support the practice change necessary to transition away from the use of high-risk pesticides in agricultural and nonagricultural settings.

No one recommendation—or even one leverage point—will, on its own, bring about systemic change. To meet the 2050 goals, the full breadth of the Roadmap must be implemented. In addition, the Roadmap recommendations can only be effectively implemented if the entire system is working together to create the conditions necessary for these outcomes to be realized. Please join us in making this bold vision a reality!



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ACCELERATING

SUSTAINABLE PEST MANAGEMENT: EXECUTIVE SUMMARY

A ROADMAP FOR CALIFORNIA

DEVELOPED BY:

Members of the Sustainable Pest Management Work Group and Urban Subgroup

IN COLLABORATION WITH:

California Department of Pesticide Regulation

California Department of Food and Agriculture

California Environmental Protection Agency

FACILITATED BY:

Ag Innovations

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THE SPM WORK GROUP AND URBAN SUBGROUP

ORIGIN

While much progress has been made in recent decades by a wide range of entities to transition to safer and more sustainable pest management practices, more work is clearly needed. Despite California's strict regulatory system and robust risk assessment process, there are still chemical tools in use that can cause harm to humans and the environment. The California Department of Pesticide Regulation (DPR), the California Environmental Protection Agency (CalEPA), and California Department of Food and Agriculture (CDFA) launched the Sustainable Pest Management (SPM) Work Group, as part of the State of California's commitment to accelerating the transition away from high-risk pesticides¹ toward adoption of safer, sustainable pest control practices.

SPM WORK GROUP

Thirty-three leaders representing diverse interests were charged with aligning on a pathway to minimize reliance on the use of toxic pesticides and promote solutions that protect health and safety, are agronomically and economically sound, eliminate racial and other disparities, and engage, educate, and promote collaboration toward safe, sustainable pest management practices in production agriculture. Twenty-five of the Work Group members focused on agriculture, and eight focused on urban issues.

URBAN SUBGROUP

While most people associate pesticide use with agricultural settings, there is significant use and impact in urban settings. Based on limited current data, nonagricultural uses account for between 35-55 percent of pesticide sales (pounds sold), 16-19 percent of reported pesticide use (pounds applied primarily by licensed applicators), and 65-75 percent of reported pesticide-related illnesses.² DPR invited nine leaders to collaboratively develop guidance on where and how to focus DPR resources, as well as other recommendations for ways that DPR and other entities might support urban sustainable pest management in California.

APPROACH

The SPM Work Group and Urban Subgroup developed this report "Accelerating Sustainable Pest Management: A Roadmap for California," hereafter referred to as simply the "Roadmap," through focus groups, learning journeys, a systems assessment, stakeholder feedback, and months of dialogue. Leaders representing a wide range of interests in the system, including production agriculture, farmworker and rural communities, Tribes, urban communities, socially disadvantaged and historically marginalized communities, the pest control sector, chemical input companies, government, supply chain companies, academia, environmental sciences, public health, and technical assistance, were asked to think holistically and work collaboratively in developing a roadmap that would advance pest management in California.

¹ The SPM Work Group and Urban Subgroup define "high-risk pesticides" as active ingredients that are highly hazardous and/or formulations or uses that pose a likelihood of, or are known to cause, significant or widespread human and/or ecological impacts from their use.

² Ranges provided by DPR for the four most recent years of data available through the pesticide mill reporting (2018-2021), pesticide use reporting (2018-2021), and pesticide illness surveillance program (2016-2019).

