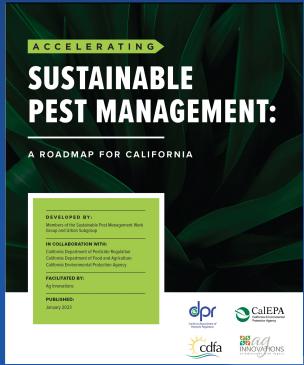
# Accelerating Sustainable Pest Management

A roadmap for California

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## What is sustainable pest management?

## SPM goes beyond a checklist of practices and products to address

- 1. Impacts on communities and equity
- 2. Linkages to broader environmental issues such as water conservation, biodiversity conservation, soil health and climate impacts
- 3. A broader consideration of economic benefits and impacts



## **DPR's NORTH STAR**

By 2050, pest management approaches in both agricultural and urban contexts in California will promote human health and safety, ecosystem resilience, agricultural sustainability, community wellbeing, and economic vitality the implementation of these approaches will help steward the state's natural and cultural resources, enabling healthy lives for all and an abundant, healthy food supply for future generations

• We believe that by implementing the Roadmap's recommendations, California will be able to achieve the following goals by 2050.

## The Workgroup

25 members focused on agriculture 8 members focused on urban issues

## **SPM WORK GROUP AND ADVISORS**

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### 2050 GOALS FOR CALIFORNIA PEST MANAGEMENT

BY 2050...

California has eliminated the use of Priority Pesticides<sup>3</sup> by transitioning to sustainable pest management practices.

BY 2050...

Sustainable pest management has been adopted as the de facto pest management system in California.

A priority outcome of these 2050 goals is the elimination of the adverse human health and environmental impacts associated with pesticide use.

### 

"Priority Pesticides," which we are intentionally capitalizing, refer to pesticide products, active ingredients, and groups of related products within the context of specific product uses or pest/location use combinations that have been deemed to be of greatest concern and warrant heightened attention, planning, and support to expedite their replacement and eventual elimination. The criteria for classifying pesticides as "Priority Pesticides" includes, but is not limited to hazard and risk classifications, availability of effective alternative products or practices, and special consideration of pest management situations that potentially cause severe or widespread adverse impacts. The identification of these Priority Pesticides will be conducted by DPR under advisement of the multistakeholder Sustainable Pest Management Priorities Advisory Committee (see page 32 for more details on the prioritization process). Priority Pesticides are a subset of high-risk pesticides. We 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.

### **KEYSTONE ACTIONS**

The following are the Work Group and Urban Subgroup's keystone actions - those that are urgent and foundational to the success of our collective efforts towards safer, sustainable pest management:

### **Prioritize Prevention**

Strengthen California's commitment to pest prevention by proactively preventing the establishment of new invasive pest species, and by proactively eliminating pestconducive conditions both in agricultural and urban settings.



## **Coordinate State-Level Leadership**

Create an accountable and connected leadership structure to champion SPM in the field, effectively embed SPM principles across agencies, and improve coordination.

## **Invest in Building SPM Knowledge**

Significantly invest in SPM-focused research and outreach so that all pest management practitioners have equal and adequate access to the support and resources necessary to develop and implement their own SPM system.

### ► IN AGRICULTURAL PEST MANAGEMENT:

Secure a significant increase in SPM-trained technical advisors and funding for SPM multidirectional research and outreach.

### ► IN URBAN PEST MANAGEMENT:

Expand funding and infrastructure for urban SPM research, innovation, and outreach to align with and reflect the volume and impacts of pesticides used in urban contexts.

## **Improve California's Pesticide Registration Processes and Bring Alternative Products to Market**

Create mechanisms to improve DPR's registration review process and to prioritize and expedite safer, more sustainable alternative products to high-risk pesticides, and improve processes for evaluating currently registered pesticides.



## **Enhance Monitoring and Data Collection**

Significantly expand and fully fund health and environmental monitoring infrastructure, data collection, and interpretation.

## Headcount (Total FTE) 300 250 Total FTE 100 50 CE Advisor CE Specialist Other Community Academic

# Increase UC's human capacity to research and extend SPM

- Fill all vacant positions,
- Increase positions by at least 20 percent,
- Significantly increase SPM-trained farm advisors with special attention to small farmers, socially disadvantaged or historically marginalized communities,
- Prioritize and fund basic and applied research relevant to SPM,

#### Invest in:

- "Research and extension centers",
- The biological control research center,
- The Organic Agriculture Institute,
- Long term research
- Increased collaboration across educational institutions such as state colleges, community colleges

## DPR's current work plan in response to SPM roadmap

- DPR received funding in the 2023-24 state budget
  - to support streamlining registration and evaluation and increased availability and access to safe, effective, sustainable alternatives.
  - Funded an SPM leadership position
- 2. DPR also received funding for an independent fumigant alternatives study.
- 3. DPR and CDFA together have engaged in local outreach to agricultural and community stakeholders to share information about and address questions, concerns and opportunities associated with the Roadmap.

## DPR's current work plan in response to SPM roadmap

- 4. DPR launched a Cross-Agency SPM Work Group to create a connected state-level SPM leadership structure.
- 5. DPR is updating its five-year strategic plan. DPR is accepting public comments on the draft plan through Nov. 10.
- 6. DPR and CDFA are continuing investments in IPM grants DPR's outreach grant applications open through Jan 2024.

# Thank you for your attention

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