



SPARC

Scientific Prioritization and Review Committee

Welcome to the SPARC Committee Meeting

Meeting will begin at 10:00 a.m.

August 7, 2026

Scan QR code for website



Language Access/ Acceso a Idiomas



Spanish Interpretation

1. In your meeting controls, click **Interpretation**.
 2. Click **Spanish**.
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English Transcription

1. In your meeting controls, click **Live Transcript**
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Interpretación al español

1. En sus controles de la reunión, haga clic en **“Interpretation”** (Interpretación).
 2. Haga clic en **“Spanish”** (Español).
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Transcripción en inglés

1. En sus controles de la reunión, haga clic en **“Live Transcript”** (Transcripción en vivo).
2. Haga clic en **“Show Subtitle”** (Mostrar subtítulo).

Agenda

1. Welcome
2. SPARC Introductions
3. Current Department Priorities
4. Prioritization and Potential Priority Submittal Processes
5. Opening of Submittal Process and Public Comment on Potential Priorities
6. Adjourn





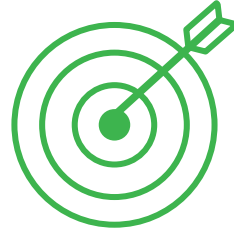
SPARC

Scientific Prioritization and Review Committee

First SPARC Meeting

August 7, 2026 – 10:00 a.m.

Coastal Room, CalEPA HQ Building,
Zoom, & CalEPA Webcast



Mission

We protect human health and the environment by fostering sustainable pest management and regulating pesticides.



Vision

Pest management that is safe, effective, and sustainable for all Californians and our environment.

Proposed SPM Prioritization Process

APPENDIX 9: PROPOSED SPM PRIORITIZATION PROCESS

This graphic shows the
proposed prioritization
process outlined on
pages 31 and 32.

KEY
State Staff
Data
Public Process



January
2023

SPM Budget
Change Proposal
& AB 2113

July
2024

Strategic Plan
2024-2028



December
2024

Public Workshop
& Comment Period

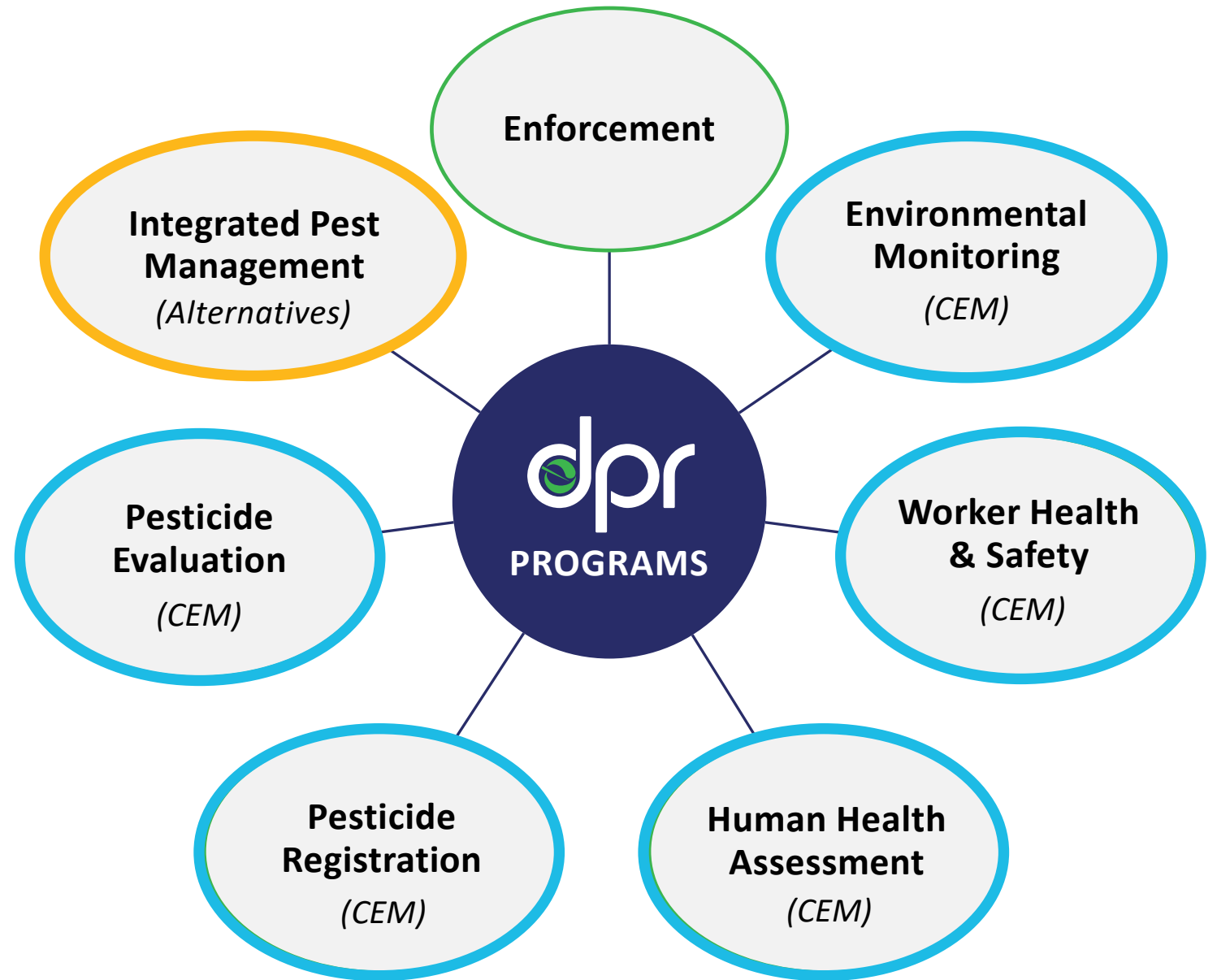
April
2025

 **SPARC**
Scientific Prioritization and Review Committee
Committee Kickoff

May
2026

DPR Programs

- Continuous Evaluation and Mitigation (CEM)
- Alternatives



Our Commitment To Equity And Environmental Justice

- California continues to lead on important policies and initiatives to advance equity and opportunity for all.
- DPR is pursuing a deliberate, inclusive, and equity-centered approach in our strategic plan and through our ongoing work protecting human health and the environment.



DPR Committees



SPARC

Introductions





SPARC
Scientific Prioritization and Review Committee

Kari Arnold, Ph.D. — Associate Director, IR-4
Western Region/UC Davis

**SPARC expertise: Agricultural Academic
Extension**

Staci Cibotti, Ph.D. — Pesticide Program
Specialist, Xerces Society

**SPARC expertise: Environmental
and Ecotoxicology**

Asa Bradman, Ph.D. — Professor — Public Health
Department & Environmental Systems Graduate
Group, UC Merced

**SPARC expertise: Public Health, Environmental,
and Urban Practitioner**

Chris Geiger, Ph.D.

SPARC expertise: Urban Practitioner



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Beau Howard — District Manager,
JG Boswell Company

SPARC expertise: Agricultural Practitioner

Chow-Yang Lee, Ph.D. — Professor and Endowed
Presidential Chair in Urban Entomology,
UC Riverside

SPARC expertise: Urban Academic Extension

Olukayode Jegede, Ph.D. — Assistant Professor
of Cooperative Extension for Agricultural
Toxicology

**SPARC expertise: Ecotoxicology,
Environmental, and Human Health Toxicology**

Kelly Moran, Ph.D. — Senior Scientist,
San Francisco Estuary Institute

**SPARC expertise: Public Drinking Water Utilities,
Wastewater Utilities, Environmental,
and Ecotoxicology**



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Sascha Carsten Thomas Nicklisch, Ph.D. —
Associate Professor of Environmental Toxicology
& Associate Environmental Chemist – Agricultural
Experiment Station, UC Davis

**SPARC expertise: Ecotoxicology, Environmental,
and Human Health Toxicology**

Hillary Q. Thomas, Ph.D. — Research & Technical
Director, Naturipe Berry Growers, Inc.

**SPARC expertise: Agricultural Practitioner
and Agricultural Academic Extension**

Jhalendra Rijal, Ph.D. — Integrated Pest
Management Advisor, University of California
Agriculture and Natural Resources/Cooperative
Extension Integrated Pest Management Advisor,
UC Cooperative Extension (UCCE)

SPARC expertise: Agricultural Academic Extension

Jess Tyler — Staff Scientist, Center for Biological
Diversity

SPARC expertise: Environmental

SPARC Workgroup

- | | | |
|---|--|---|
| <ul style="list-style-type: none">• JT Teerlink, Ph.D.
Executive Sponsor• Laurie Brajkovich
SPARC Liaison• Emily Phillips, Ph.D.
Pesticide Evaluation Branch• Scott Tiscione, Ph.D.
Human Health Assessment Branch | <ul style="list-style-type: none">• David Bonnar, Ph.D.
Human Health Assessment Branch• Aron Lindgren
Pesticide Registration Branch• Andrew Turcotte
Pesticide Registration Branch• Brian Ingel, Ph.D.
Integrated Pest Management | <ul style="list-style-type: none">• Emilie Schneider
Worker Health and Safety Branch• Sergy El-Morshedy
Communications and Outreach• Marie Garcia
Environmental Monitoring |
|---|--|---|

Department Current Priorities



What We Do: Regulate Pesticides



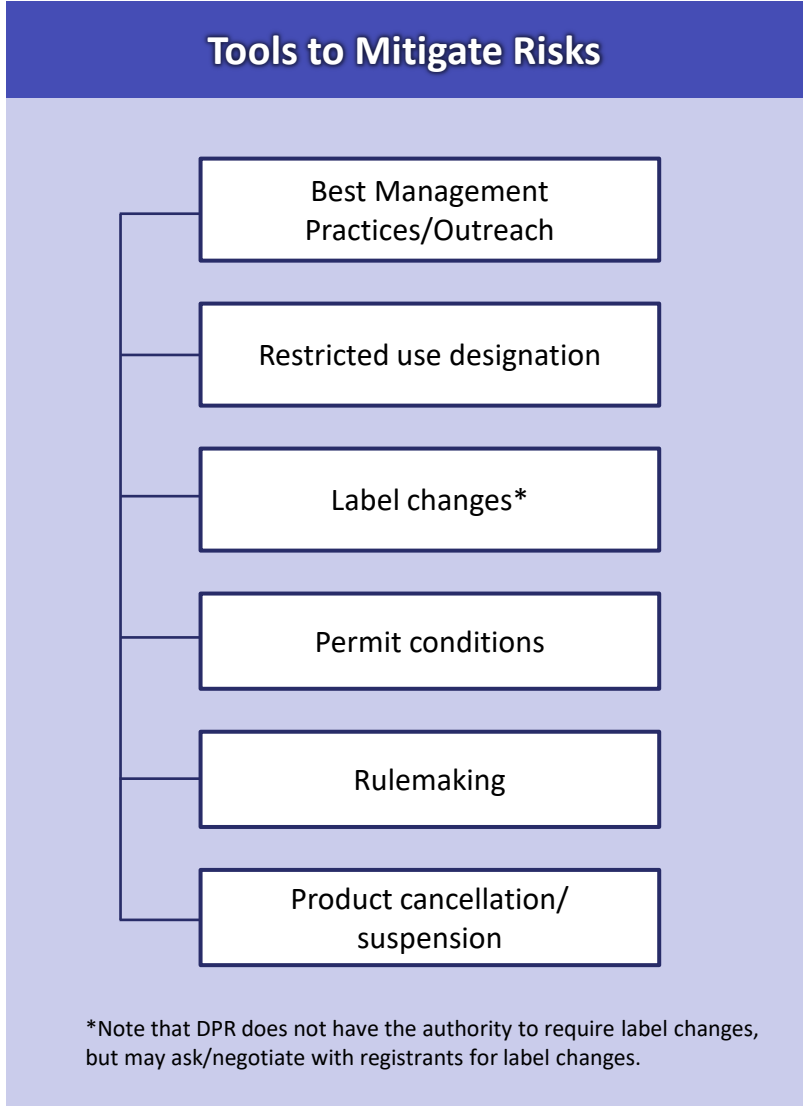
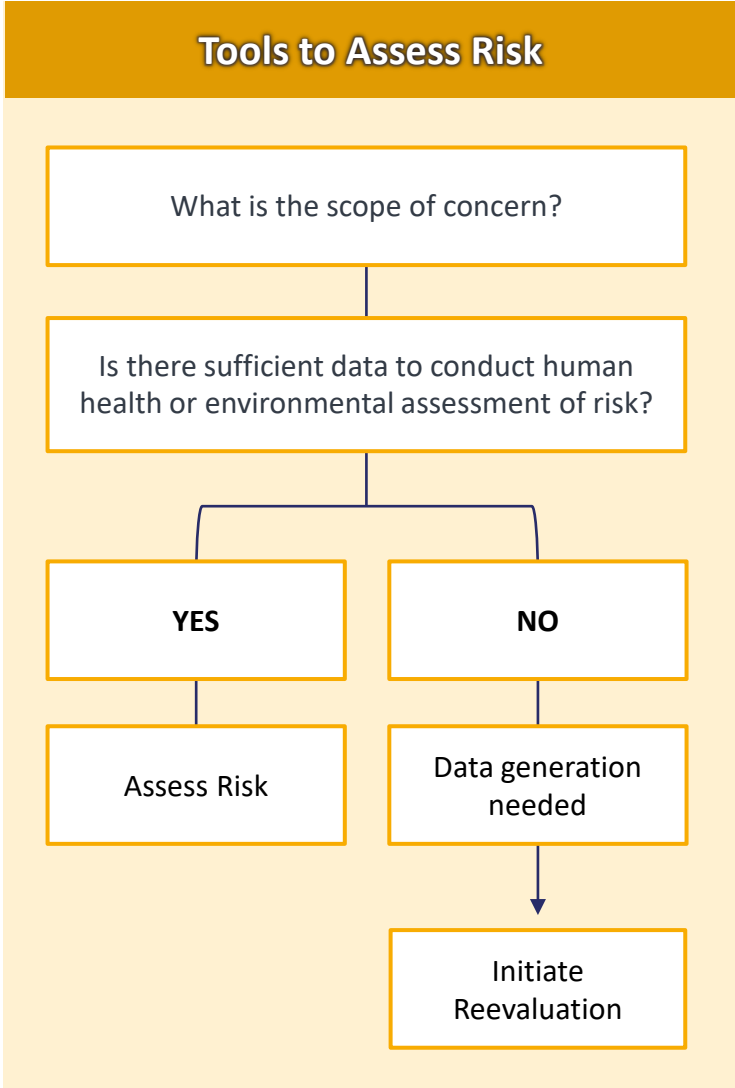
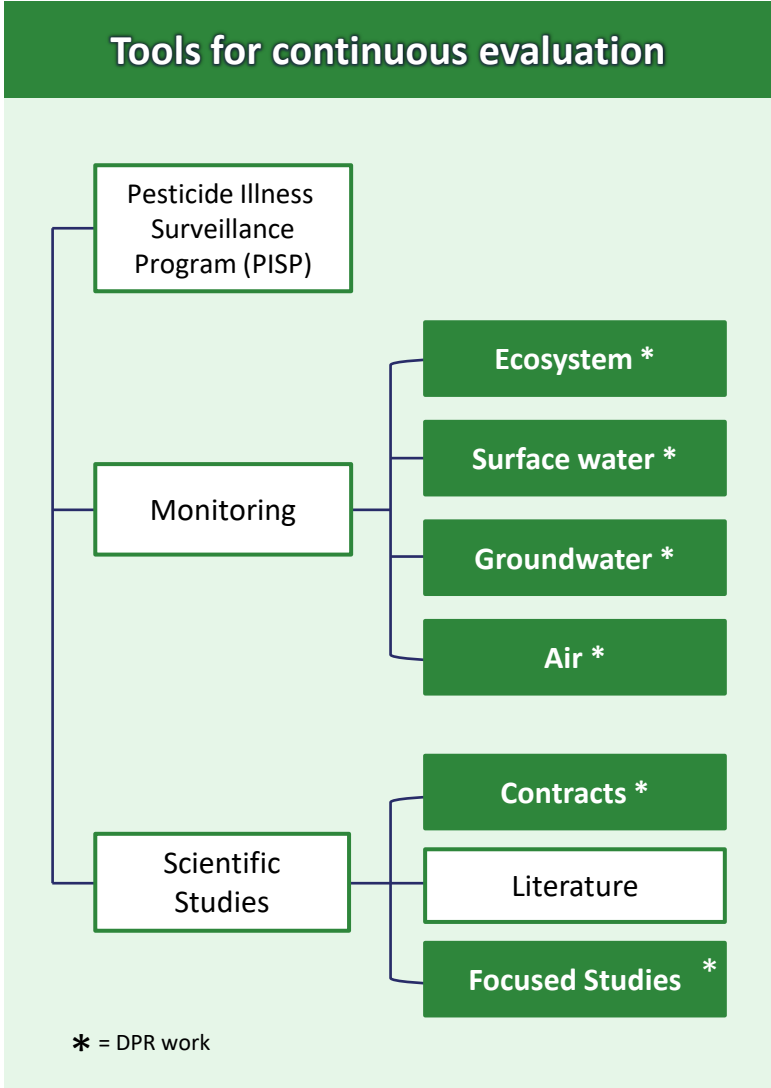
Evaluating pesticides for risks and impacts to people and the environment before they are registered for use in California



Continuously evaluating pesticides and mitigate risks



Enforcing pesticide use laws with County Agricultural Commissioners



Using the information and analysis collected



If a risk is identified, DPR moves to mitigate that risk through...



Continuous Evaluation and Mitigation Update

Includes Updates on:

- Reevaluation
- Mitigation
- Risk Assessment
- Rulemaking



Overview of Continuous Evaluation and Mitigation Table

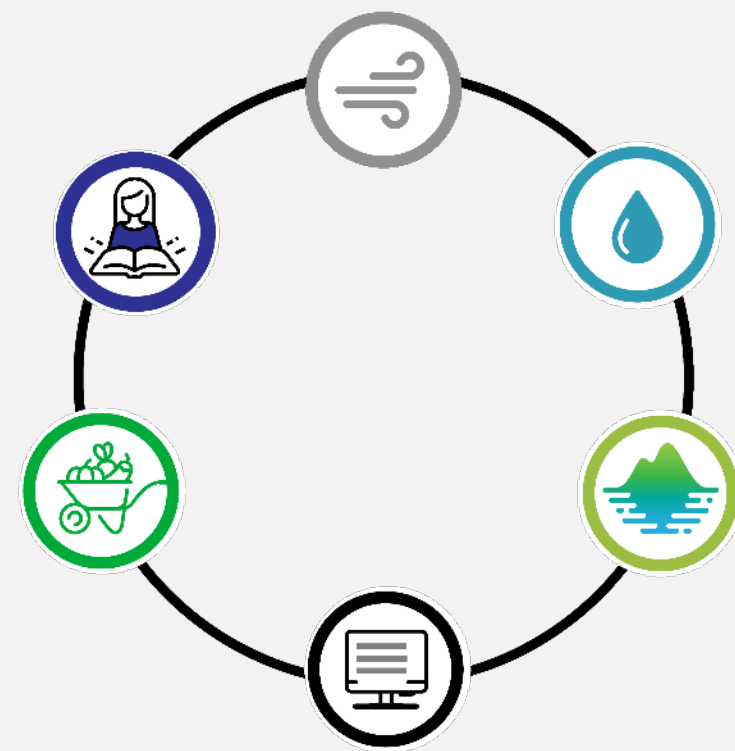


CA Official website of the State of California State of California dpr Department of Pesticide Regulation Help Translate Search About Pesticide Safety SPM and IPM Pesticide Registration Professional Licensing Data and Reports Get Involved with DPR		
Home / Look Up Pesticide Info / Continuous Evaluation and Mitigation Update Continuous Evaluation and Mitigation Update		
Chloropicrin	Reevaluation: Human Health	• Chloropicrin Manufacturer's Task Force (CMTF) submitted Studies 1, 2, 3, 4, and 5 by Q2 2026. • Complete review of all required CMTF studies by Q2 2027 • If rulemaking or other mitigation is required, complete by Q2 2029

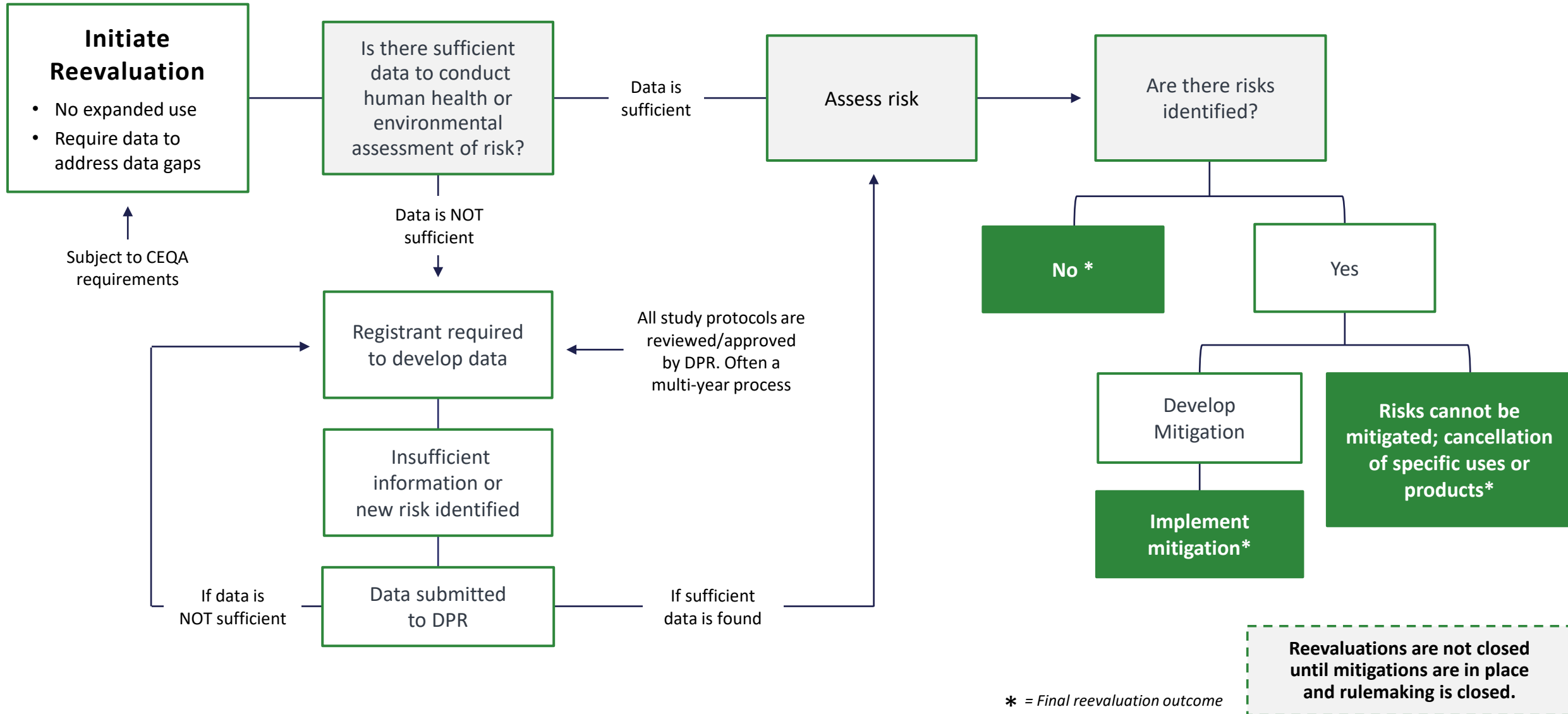
DPR Actions to Assess Risks

DPR actions to **assess** risk can include:

- **Risk assessments** to identify or quantify pesticide-related risks.
 - Human Health
 - Environmental
- **Reevaluation** is a formal regulatory tool defined in statute used to investigate a pesticide that may have caused or is likely to cause a significant adverse impact on people or the environment.
 - AB 2113 included additional requirements on reevaluation.
 - Requirements around opening and closing of a reevaluation.



Reevaluation



Risk Assessment

Linuron

- **Completed draft human health risk and exposure assessment documents for linuron Q4 2025.**
- Complete final human health risk and exposure assessment for Linuron Q3 2026.
- If rulemaking or other mitigation is required, complete by Q3 2028.

Reevaluation

- Chloropicrin*
- Cyfluthrin*
- Non-Agricultural Neonicotinoids*
- Paraquat Dichloride
- Rodenticides
- Total Release Foggers

* Human health risk assessment as a part of reevaluation.



Reevaluation

- **Chloropicrin***
- Cyfluthrin*
- Non-Agricultural Neonicotinoids*
- Paraquat Dichloride
- Rodenticides
- Total Release Foggers

- **Chloropicrin Manufacturer's Task Force (CMTF) submitted Studies 1, 2, 3, 4, and 5 by Q2 2026.**
- Complete review of all required CMTF studies by Q2 2027
- If rulemaking or other mitigation is required, complete by Q2 2029

* Human health risk assessment as a part of reevaluation.

Reevaluation

- Chloropicrin*
- **Cyfluthrin***
- Non-Agricultural Neonicotinoids*
- Paraquat Dichloride
- Rodenticides
- Total Release Foggers

- **Completed human health risk assessment scoping document by Q2 2025.**
- Complete human health risk assessment by Q4 2026.
- If rulemaking or other mitigation is required, complete by Q4 2028.

* Human health risk assessment as a part of reevaluation.

Reevaluation

- Chloropicrin*
- Cyfluthrin*
- **Non-Agricultural Neonicotinoids***
- Paraquat Dichloride
- Rodenticides
- Total Release Foggers

Subset of steps, complete list provided online

- Completed evaluation of impact of neonicotinoid pesticides on aquatic organisms by Q2 2025.
- Completed final human health risk assessments for acetamiprid, clothianidin, dinotefuran, and thiamethoxam Q4 2025.
- Issue determination with respect to the reevaluation of neonicotinoid pesticides on their impacts to pollinating insects, aquatic organisms, and human health by Q3 2027.

* Human health risk assessment as a part of reevaluation.

Reevaluation

- Chloropicrin*
- Cyfluthrin*
- Non-Agricultural Neonicotinoids*
- **Paraquat Dichloride**
- Rodenticides
- Total Release Foggers

Subset of steps, complete list provided online

- Majority of pesticide registrants for products containing paraquat dichloride voluntarily cancelled registration by Q2 2026.
- Remaining registrants have failed to submit final study protocols and final study results by the required deadlines established pursuant to the reevaluation.
- Required Tier 1 pollinator study and Field volatility studies consistent with US EPA

* Human health risk assessment as a part of reevaluation.

Reevaluation

- Chloropicrin*
- Cyfluthrin*
- Non-Agricultural Neonicotinoids*
- Paraquat Dichloride
- **Rodenticides**
- Total Release Foggers

- **Conducted informal public workshops on potential mitigation by Q3 2025.**
- Complete scientific evaluation by Q4 2026.
- If rulemaking or other mitigation is required, complete by Q3 2028.

* Human health risk assessment as a part of reevaluation.

Reevaluation

- Chloropicrin*
- Cyfluthrin*
- Non-Agricultural Neonicotinoids*
- Paraquat Dichloride
- Rodenticides
- **Total Release Foggers**

Subset of steps, complete list provided online

- **Initiated reevaluation of total release foggers in Q2 2026.**
- Review comments on reevaluation initiation by Q4 2026.
- Determine data requirements and any other requests for registrants by Q2 2027.

* Human health risk assessment as a part of reevaluation.

Mitigation

- Carbaryl
- Fipronil
- Phosphine
- Propanil
- Propargite
- Simazine
- Sulfuryl Fluoride
- Tribufos



Mitigation

- **Carbaryl**
- Fipronil
- Phosphine
- Propanil
- Propargite
- Simazine
- Sulfuryl Fluoride
- Tribufos

- Complete risk assessment addendum for human health exposure risks by Q2 2027.
- Complete review of US EPA's mitigation actions and compare to DPR's exposure risk findings by Q4 2027.
- Develop and propose potential mitigation options for any identified risks not yet addressed by Q2 2028.

Mitigation

- Carbaryl
- **Fipronil**
- Phosphine
- Propanil
- Propargite
- Simazine
- Sulfuryl Fluoride
- Tribufos

- **Completed Aquatic Risk Document for products used on pets and released for public comment in Q4 2025.**
- Develop potential mitigation options for any identified risks in the Pet Product Aquatic Risk Document and Human Health Risk Assessment by Q3 2026.

Mitigation

- Carbaryl
- Fipronil
- **Phosphine**
- Propanil
- Propargite
- Simazine
- Sulfuryl Fluoride
- Tribufos

- **Completed report from monitoring study to quantify exposures during bagged commodity fumigations by Q4 2025.**
- **Completed review of US EPA's mitigation actions and compare to DPR's exposure risk findings identified in the RCD by Q2 2026.**
- Complete report for monitoring study to quantify exposures during tarped pile commodity fumigations using metallic phosphides by Q4 2026.
- Identify if mitigation is needed by Q3 2027.

Mitigation

- Carbaryl
- Fipronil
- Phosphine
- **Propanil**
- **Propargite**
- **Simazine**
- Sulfuryl Fluoride
- Tribufos

Subset of steps, complete list provided online

- **Completed review of US EPA's mitigation actions and compare to DPR's exposure risk findings by Q4 2025.**

Mitigation

- Carbaryl
- Fipronil
- Phosphine
- Propanil
- Propargite
- Simazine
- **Sulfuryl Fluoride**
- Tribufos

Completed Phase 1 of an observational study of residential homes post-fumigation in Q2 2025.

Reviewed study results by Q3 2025 and determined next steps to conduct a Phase 2 observational study.

Complete Phase 2 of an observational study by Q4 2026.

Mitigation

- Carbaryl
- Fipronil
- Phosphine
- Propanil
- Propargite
- Simazine
- Sulfuryl Fluoride
- **Tribufos**

Subset of steps, complete list provided online

- Registrants submitted draft labels for DPR approval by Q4 2025.
- Submitted federal label amendment to US EPA incorporating the approved California mitigation language by Q1 2026.
- DPR to publish mitigation close out memo by Q3 2026.

Rulemaking

- 1,3-D
- Groundwater Protections
- Pesticide Decontamination Site and Eyewash



Rulemaking

- **1,3-D**
- Groundwater Protections
- Pesticide Decontamination Site and Eyewash

- **Implemented regulations to restrict 1,3-D to protect occupational bystanders by Q1 2026.**
- **Completed Phase 1 of worker observation study by Q4 2025.**
- Conduct Phase 2 of worker observations study by Q3 2026.
- Develop risk management directive (RMD) for handler occupational exposures by Q4 2026.

Rulemaking

- 1,3-D
- **Groundwater Protections**
- Pesticide Decontamination Site and Eyewash

- **Noticed proposed regulations in May 2025.**
- **Completed rulemaking by Q2 2026.**
- **Regulations effective July 1, 2026.**

Rulemaking

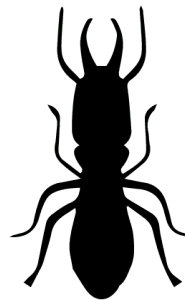
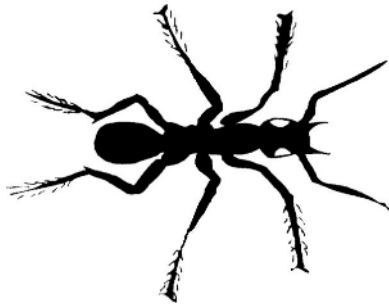
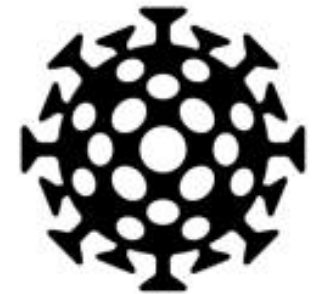
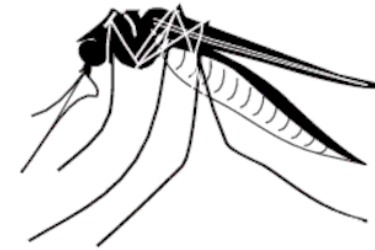
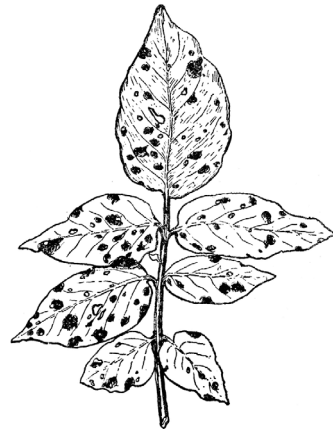
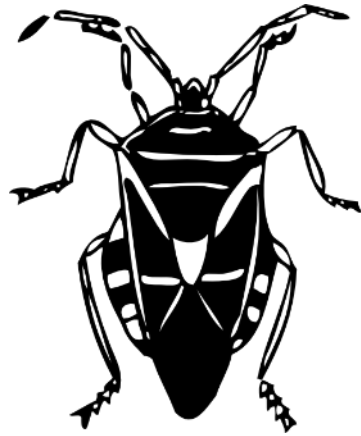
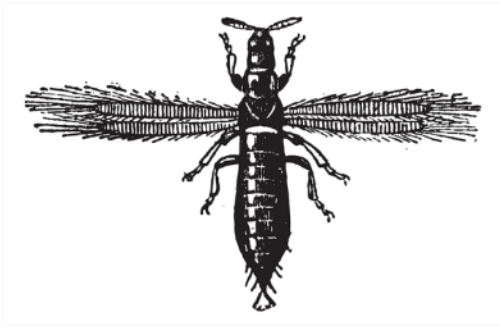
- 1,3-D
- Groundwater Protections
- **Pesticide Decontamination Site and Eyewash**

- **Developed proposed regulations for decontamination site and eyewash requirements for ag and non-ag settings by Q4 2025.**
- **Received concurrence from OEHHA on regulatory package by Q2 2026.**
- Notice regulatory package by Q3 2026.
- Complete rulemaking by Q2 2027.

Prioritization and Potential Priority Submittal Processes



Authorities and Responsibilities Under Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and California Food and Agriculture Code



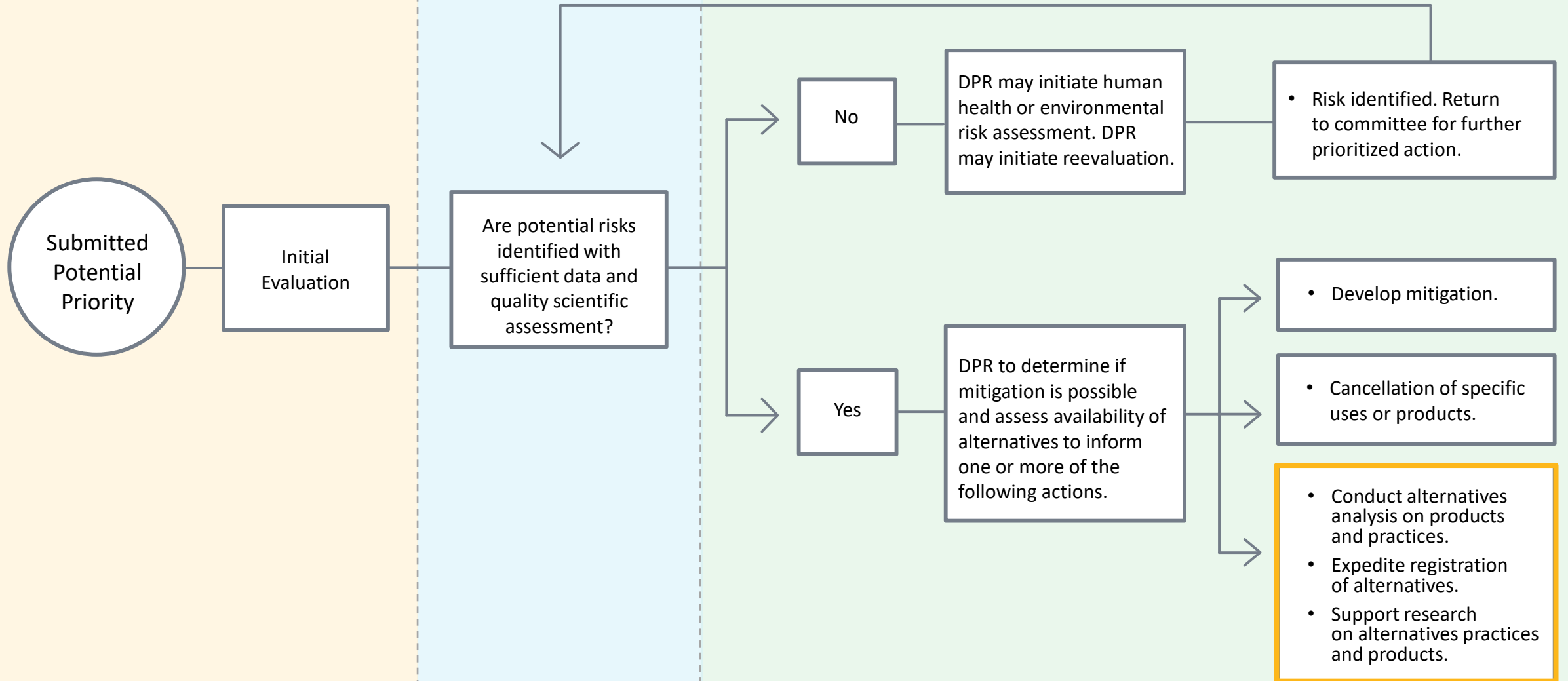
Evaluate Risk

$$Risk = \frac{Exposure}{Toxicity}$$

Category 3
DPR Review of Submitted Priorities

Category 2
DPR Data Collection

Category 1
DPR Actions Informed by SPARC Recommendations



Initiate Actions

The prioritization process is a **data-driven, transparent** approach to identify and communicate potential department **actions** relative to continuous evaluation and mitigation



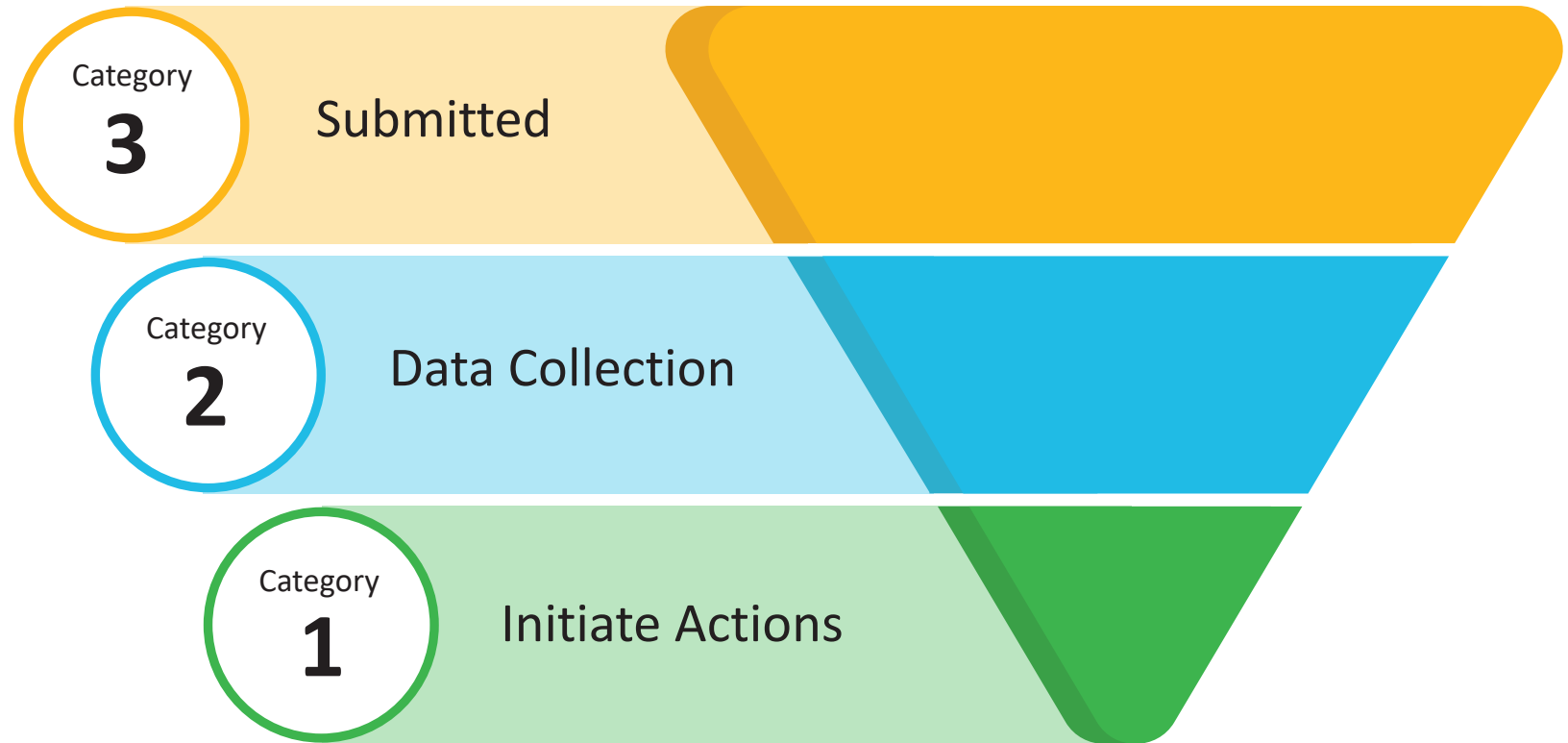
Official website of the State of California		
State of California		
Department of Pesticide Regulation		
Search		
About	Pesticide Safety	SPM and IPM
Pesticide Registration	Professional Licensing	Data and Reports
Get Involved with DPR		
Home / Look Up Pesticide Info / Continuous Evaluation and Mitigation Update		
Continuous Evaluation and Mitigation Update		
Chloropicrin	Reevaluation: Human Health	• Chloropicrin Manufacturer's Task Force (CMTF) submitted Studies 1, 2, 3, 4, and 5 by Q2 2026. • Complete review of all required CMTF studies by Q2 2027 • If rulemaking or other mitigation is required, complete by Q2 2029

Meeting Cadence

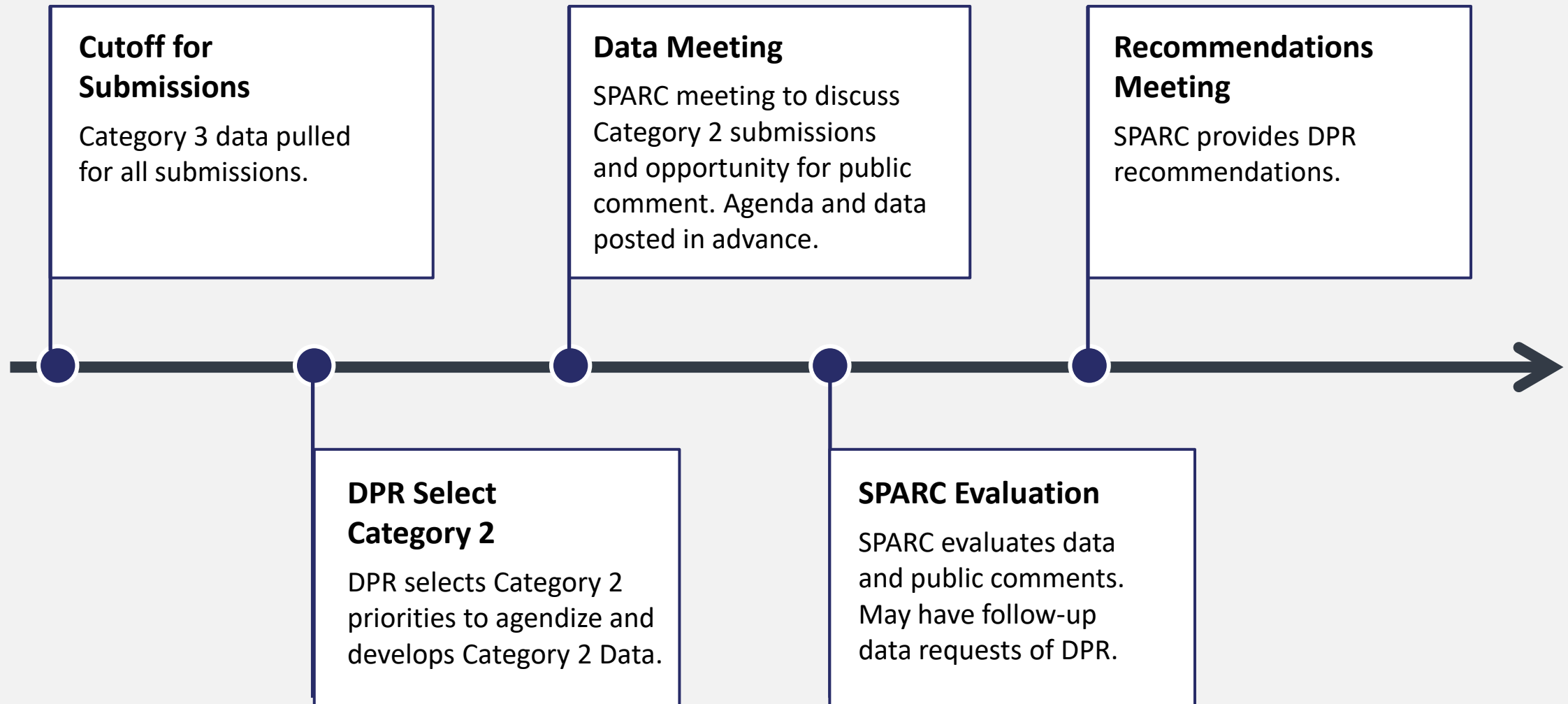
- Four meetings annually
- Two focused on human health
- Two focused on environmental
- First of paired meetings longer format, introduce Category 2 potential priorities. **Data meeting**
- Second of paired meeting SPARC provides recommendations. **Recommendations meeting**



Externally Submitted Potential Priorities



Cycle for Paired Meetings



**How do I submit
a potential
priority?**





Potential Priority Submission Process

- The type and name of the pesticide, product, group, or ingredient;
- The concern you would like DPR to consider;
- Details about the concern, including where or when it occurs, who may be affected, and how exposure may occur; and
- Evidence or supporting information

Scan the QR code for submissions:





Post Summary of all Category 3 Submissions

Summary will include:

- Date
- Pesticide, Product, Group, or Ingredient
- Concern
- Submitted by
- DPR Note

Complete submissions available through SmartComment





What data will DPR use to evaluate Category 3 submissions?



US EPA and DPR
Regulatory Summary



Ranked Lists – DPR's data-
driven prioritization tools



Summarized Data



Submission Information

This is the data DPR is collecting on submissions.
Please do not submit DPR data as a part of submission₃₂

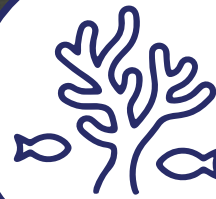
US EPA and DPR Regulatory Summary

DPR will look at regulatory history from both US EPA and DPR to better understand any work completed to identify and mitigate risks.

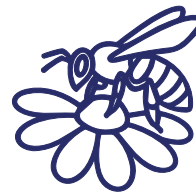
Ranked Lists



Human Health



Aquatic Organisms



Terrestrial and Pollinator*

DPR Summarized Data

- Pesticide Use Reports

- Persistence and Mobility categories

- Toxicity data (animal studies, birds, fish, invertebrates, pollinators, aquatic invertebrates, etc.)

- Summary of environmental monitoring data

- Pesticide Illness Surveillance Program (PISP) data

Submission Information

DPR will review all submitted materials, which may include peer-reviewed journal articles or other data.



DPR Selects Category 2 Potential Priorities

- More refined data
- Greater number of years for PUR and monitoring data
- More resolution on PUR categories
- Additional context for environmental monitoring data



SPARC Meetings Timeline

ACTIVITY	ACTIVITY TIME	TOTAL TIME
Submission Cutoff		
Category 3 Data pull	4 weeks	4 weeks
DPR selection of Category 2 Potential Priorities	2 weeks	6 weeks
Category 2 Data pull	2 weeks	8 weeks
Post Agenda and Category 2 data	4 weeks	12 weeks
SPARC data meeting		
SPARC deliberate	8 weeks	20 weeks
SPARC recommendations meeting		

➤ One cycle annually for each human health and environmental-focused potential priority submittals.

SPARC Data Meeting

- DPR Updates
- SPARC Discussion of Category 2 Potential Priorities
- Public Comment



SPARC Recommendations Meeting

- DPR Updates
- Public Comment
- SPARC Recommendations
- Open for Submissions for Next Data Meeting



Next Steps

- Online Pesticide Priority Recommendation Submissions (Human Health-Focused) Open – 8/07/26
- Online Submissions Close – 9/11/26



Future Meetings



SPARC Initial Data Review Meeting

December 4, 2026 - Friday
(Coastal Room, CalEPA HQ Building)

SPARC Recommendations Meeting

TBD, February 2027
(Coastal Room, CalEPA HQ Building)

Public Engagement Opportunities

Pesticide Priority Recommendation Form

Open until September 11, 2026



General Comment for SPARC

Open for 15 days after meeting

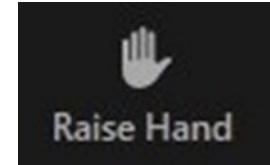


Public Comment on Potential Priorities

Public attendees:

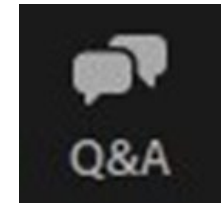
- **In-person attendees:**

Raise hand to be called on



- **Zoom attendees:**

Q&A Box



- **Webcast attendees:**

Email Prioritization@cdpr.ca.gov

Time limit: 1 comment, 2 minutes max

Thank you for attending today's SPARC meeting!

SPARC Web page:

