

DPR Research and Alliance Grants

Purpose and Priorities

JORDAN WEIBEL

RESEARCH GRANTS PROGRAM LEAD





Session Overview

- DPR Grants Program Goals
- Alliance Grants Versus Research Grants
- Previously Funded Research Grants
- Previously Funded Alliance Grants
- Who is Eligible?
- How Can I Apply?
- Proposal Application Requirements
- Application Review Process
- Grant Award Notification

DPR Grants Program Goals

- DPR grants are intended to further integrated pest management (IPM) knowledge and implementation in agricultural, urban, and wildland areas
- DPR grants are for the benefit of Californians
- DPR grants are an important part of our California's mission to accelerate the transition to safer, more sustainable pest management



DPR Grants Program Goals – Priority Topic Areas

- IPM for underserved or disadvantaged communities
- Decreasing the use of pesticides of high regulatory interest (such as fumigants like 1,3-dichloropropene or sulfuryl fluoride)
- Advancement of urban IPM and safer, more sustainable pest management tools and strategies in urban settings
- Advancement of IPM and safer, more sustainable pest management tools and strategies in agricultural settings adjacent to or near a school(s);
- Meeting the IPM needs of small growers
- **TWO or more** of the three sustainability pillars noted below and referenced in the Sustainable Pest Management (SPM) Roadmap:
 1. Human Health and Social Equity,
 2. Environmental Protections,
 3. Economic Vitality



Research Grants Versus Alliance Grants

RESEARCH GRANTS

- 'Traditional' research
- Seeks to develop new IPM tools and practices
- Often new approaches to manage a target pest
- May lead to future Alliance Grants

ALLIANCE GRANTS

- Extend and implement known, effective, and affordable IPM practices
- Often diverse project structures
- Conducted by a cooperative Alliance Team to maximize reach and effectiveness

Research Grants Program Goals

“To advance IPM knowledge in agricultural, urban, and wildland settings. Projects should focus on reducing impacts to public health or the environment from pesticides of high regulatory concern or that are considered high-risk.”

- Traditional research grants
 - Majority applied research
 - Basic research is allowed, however benefit must be strongly justified



Alliance Grants Program Goals

EFFECTIVE ECO-FRIENDLY PEST CONTROL • LESS-TOXIC PRODUCTS



**KEEP
BED BUGS
OUT OF YOUR HOME**

CONTROL COCKROACHES IN YOUR HOME WITH THESE ECO-FRIENDLY PRODUCTS

Bed bug pitfall traps	Climb-up Interceptor, Blackout BedBug Detector, Hot Shot Bed Bug Interceptor
Mattress encasements	SafeRest, Protect-a-Bed, Mattress Safe
Plant-based insecticides	EcoRaider, Bed Bug Patrol, Ortho Home Defense Bed Bug killer with Essential Oils, Proof 100% Bed Bug and Dust Mite Killer
Desiccating dusts	Harris Resistant Bed Bug Powder, Safer Brand Diatomaceous Earth

Bed bugs are small, flat insects that hide in tight spaces like mattress seams and cracks in furniture. They are similar in color to an apple seed but a bit smaller. Young bed bugs start off about the size of a poppy seed. They bite us while we are resting or sleeping. Anyone can get bed bugs. Infestations are becoming more common, and once you have them, they can be hard to control. There are some things you can do yourself, but you may need to work with pest control professionals to successfully control bed bugs. If you rent, you will need to work with your landlord to control bed bugs.



Actual size of adult and egg

DID YOU KNOW?

- Bed bugs do not transmit diseases.
- Like mosquitoes, bed bugs feed on human blood. They may occasionally feed on pets and other animals.
- Some people have no reaction to bed bug bites; others can suffer itchy welts.
- Store bought "bug bombs" are ineffective and can push bed bugs into other rooms.
- Don't throw it out! Most items can be treated.
- Bed bugs move around by hitching rides on furniture, bedding, baggage, clothing, and other personal belongings.

WHAT CAN YOU DO?

"To promote or increase the implementation, expansion, or adoption of proven, effective, and affordable IPM systems or practices that reduce risks to public health and the environment in agricultural, urban, or wildland settings."

- Team-focused efforts to increase use of known IPM methods
 - Trainings
 - Area-wide cooperation
 - Direct outreach
 - Many more...



What is an Alliance Team?

- An Alliance Team is a group of interested, invested stakeholders who have agreed to help implement an Alliance Grant's proposed activities
- The strongest Alliance Teams incorporate diverse members from various affiliations to promote IPM and the broad application of the proposed IPM systems or practices

What is an Alliance Team? Continued

- For more on alliances, consider reviewing the “Building a Strong Alliance Team” informational video



Selection of Funded Research Grants

PROJECT TITLE	INSTITUTION
Developing Best Management Practices for the Control of Diseases in Vegetable Transplant Greenhouses	UC-Davis
Evaluation of an Artificial Sweetener as a Potential Bait Toxicant and an Insecticide Synergist Against German Cockroaches, an Important Indoor Pest of Public Health	UC-Riverside
First Investigations into the Biology and Management of an Invasive Cockroach Species	UC Cooperative Extension, Alameda County
Alternatives to Chlorpyrifos for Sugarbeet Production in the Imperial Valley	UC Davis
Efficacy of Alternatives to Pyrethroids and Neonicotinoids for Aphid Management in Lettuce	UC Cooperative Extension, Monterey County
Evaluating the Effectiveness of Pest Preventive Design Elements Incorporated into 3,495 Affordable Housing Units in San Francisco	San Francisco Department of the Environment
Develop Biological Control Solutions for the Management of Canker Diseases in the Fruit and Nut Crops	UC Davis

Selection of Funded Alliance Grants Projects

PROJECT TITLE	INSTITUTION
Fostering Reduced-Risk Pest Management for Sacramento's Hmong and Lu Mien Farms by Increasing Adoption of Integrated Pest Management, Improving Pesticide Efficiency and Safety, and Building an Agricultural Support Network	UC Cooperative Extension, Yolo County
Development of an Interactive Training Facility for California's Structural Pest Management Professionals	UC Cooperative Extension, Alameda County
Expanding IPM Adoption Among Affordable Housing Providers	Regional Asthma Management & Prevention
Dissemination and Training for Citrus Spray Application Expert System Adoption in California	UC Agriculture & Natural Resources
Increasing Adoption of IPM Practices that Use Beneficial Birds as Pest Control and Manage Pest Birds in Crop Production	Wild Farm Alliance
BMPs for Non-Herbicide Approaches to Invasive Plant Management in Wildlands	California Invasive Plant Council
Bed Bug IPM Education to Support Multi-unit Housing	UC Cooperative Extension – Alameda County

Who is Eligible to Apply?

1. Government and tribal agencies, universities, colleges, consultants, pest control businesses, commodity groups, and nonprofit organizations, and more
2. No personnel may have outstanding fines or penalties with DPR or with any county agricultural commissioner
3. Applicants outside of California are allowed

Who is Eligible to Apply? Continued

4. Applicants and team members must have the appropriate background and technical experience to complete the project
5. DPR employees are not eligible to receive funds or participate as part of the team outside of the DPR grant manager
6. PMAC members or their alternates involved in a proposal application must abide by the conflict-of-interest requirements contained within the PMAC Charter
7. All applicants, principal investigators, key personnel, subawardees, subcontractors, and consultants must meet all eligibility requirements and be eligible to contract with DPR

Project Eligibility Requirements

1. Must primarily benefit the people of California
2. Funding requested must be within the minimum and maximum funding limits and not depend on other sources of funding for the completion of any task or deliverable.
 - In-kind contributions of personnel time, equipment, facilities, and materials are allowed
3. Project goals and objectives must be clearly stated and directed towards the goals of the research or alliance grants program
4. Project must demonstrate the economic feasibility of the project's IPM practices

Project Eligibility Requirements, Continued

5. Project must demonstrate efficacy (Research Grant) or adoption (Alliance Grant) of the project's IPM practices by the end of the project
6. Project must focus primarily on research or outreach for research and alliance projects, respectively
7. Project must not include activities directed toward, or used to subsidize, DPR personnel, DPR work activities, or any DPR-funded work activities delegated to others, such as county agricultural commissioners
8. Project must not mention, promote, or disparage a pest control brand or trade name in a deliverable or use the image of a product in a deliverable (active ingredient names must be used instead)

Project Eligibility Requirements, Continued

9. Must abide by all provisions of the applicable terms and conditions, including overhead capped at 25%

We highly recommend applicants have grant administration personnel review application materials prior to submission to ensure eligibility requirements, including terms and conditions, can be met.

How Can I Apply for a Grant?

- Go to <https://www.cdpr.ca.gov/dprgrants.htm> - links to Alliance and Research Grants pages are found here
- Applicants complete a one-step proposal application
- Return completed proposal application to IPMGrants@cdpr.ca.gov

Proposal Application Outline

1. Section One: Project Information
2. Section Two: Proposal Application Questions
3. Section Three: Scope of Work and Budget (including Budget Tables Worksheet)
4. Letters of Support
5. Curriculum Vitae
6. Pesticides/Active Ingredients Likely to be Affected
7. Pesticides/Active Ingredients to be Used in Project
8. OPTIONAL: Illustrative Graphics
9. Key Cited Documents



ALLIANCE GRANT PROPOSAL APPLICATION FORM

Completed proposal applications should contain all the required documents listed below. Optional documents may be included as needed to support the proposal application. **Submit the documents as follows:**

- **Submit the following as a combined single PDF.**
 - Completed Alliance Grant Proposal Application Form, including:
 - Completed Section 1: Project [Information](#);
 - Completed Section 2: Alliance Grant Proposal Application Questions (*Note: Answers to Questions 1 – 4 should not exceed one page each, for a total of four pages.*); and
 - Completed Section 3: Scope of Work and Budget.

Section One – Project Information

- Contains basic project details
- Certification and submission statements
 - Read carefully, including terms and conditions
- Ensure your organization's contract/grant officer reviews this section

Section Two – Proposal Application Questions

- Responses determine 80% of final project ranking
- Be detailed, focus on the considerations found in the proposal application
- Ensure one or more of the priority topic areas are met

QUESTION 1 – BENEFITS TO CALIFORNIANS (30 PERCENT WEIGHT):

Provide sufficient background and describe why there is a need for this project and describe how the people of California and expected beneficiaries of the integrated pest management (IPM) systems or practices will significantly benefit from the project. Specifically describe which DPR priority areas the project would affect and how they would be affected. Please include the following considerations in your response.

Section Three – Scope of Work and Budget

- Responses determine 20% of final project ranking
- **Carefully read all sections for required information**
 - Ensure all listed expenditures are allowable in the terms and conditions
- **Write goals that succinctly describe the proposal**
 - Write objectives, tasks, and deliverables that demonstrate how the goals will be met by through completion of objectives and tasks

SECTION 3: SCOPE OF WORK AND BUDGET (20 Percent Weight)

Project Abstract:

Provide a succinct (600 characters maximum) and accurate abstract of the project, including the project purpose, priorities, scope, and grant beneficiaries. Beneficiaries include any communities, persons, or entities that benefit from this funding. This summary should be in clear language and understandable to technical and non-technical readers.

Imidacloprid-based control of glassy-winged sharpshooters that vector the causal agent of Pierce's disease is becoming inconsistent due to increasing insecticide resistance and has been implicated in pollinator concerns. In alignment with DPR's mission of protecting human health and the environment, this project seeks to test and develop organic and biocontrol methods to control Pierce's disease in vineyards. These alternatives would benefit the California wine and table grape industries along with the Californians living in grape-growing areas.

Section Three – Scope of Work and Budget, Continued

- Consider reviewing the “Scope of Work, Objectives, Tasks, and Deliverables” informational video

SECTION 3: SCOPE OF WORK AND BUDGET
(20 Percent Weight)

Project Abstract:

Provide a succinct (600 characters maximum) and accurate abstract of the project, including the project purpose, priorities, scope, and grant beneficiaries. Beneficiaries include any communities, persons, or entities that benefit from this funding. This summary should be in clear language and understandable to technical and non-technical readers.

Imidacloprid-based control of glassy-winged sharpshooters that vector the causal agent of Pierce’s disease is becoming inconsistent due to increasing insecticide resistance and has been implicated in pollinator concerns. In alignment with DPR’s mission of protecting human health and the environment, this project seeks to test and develop organic and biocontrol methods to control Pierce’s disease in vineyards. These alternatives would benefit the California wine and table grape industries along with the Californians living in grape-growing areas.

Section Three – Scope of Work and Budget, Continued

- Use the provided Budget Tables Worksheet (Excel document) to calculate budget values
- Consider reviewing the “Budgets and Budget Justifications” informational video

COMPOSITE BUDGET TABLE					
Principal Investigator Name (fill in cell A4 with the Principal Investigator's full name):					
Principal Investigator Organization (fill in cell A6 with the Principal Investigator's organization):					
Instructions for completing the composite budget table are included on the "Instructions" sheet of this workbook.					
BUDGET CATEGORY		Year 1	Year 2	Year 3	TOTAL
	From:	7/1/2024	7/1/2025	7/1/2026	
	To:	6/30/2025	6/30/2026	6/30/2027	
PERSONNEL: Salary and fringe benefits.		\$0	\$0	\$0	\$0
TRAVEL		\$0	\$0	\$0	\$0
MATERIALS & SUPPLIES		\$0	\$0	\$0	\$0
EQUIPMENT		\$0	\$0	\$0	\$0
RENT		\$0	\$0	\$0	\$0
SUBCONTRACTOR/SUBRECIPIENT #1 - add name here if applicabl					\$0
SUBCONTRACTOR/SUBRECIPIENT #2 - add name here if applicabl					\$0
SUBCONTRACTOR/SUBRECIPIENT #3 - add name here if applicabl					\$0
SUBCONTRACTOR/SUBRECIPIENT #4 - add name here if applicabl					\$0
SUBCONTRACTOR/SUBRECIPIENT #5 - add name here if applicabl					\$0
	Subject to				

Composite Budget Table | Personnel | Travel | Materials and Supplies | Equipment, Rent, ODC

Letters of Support

- Expected users/beneficiaries of the project's work
- Colleagues who can attest to the project team's abilities
- Cooperating businesses or individuals such as growers or land managers

Curriculum Vitae/Resumes

- Required for principal investigator and key personnel
- Research/Alliance Team – optional but encouraged
- Paid personnel that aren't key personnel – optional

Key Cited Documents

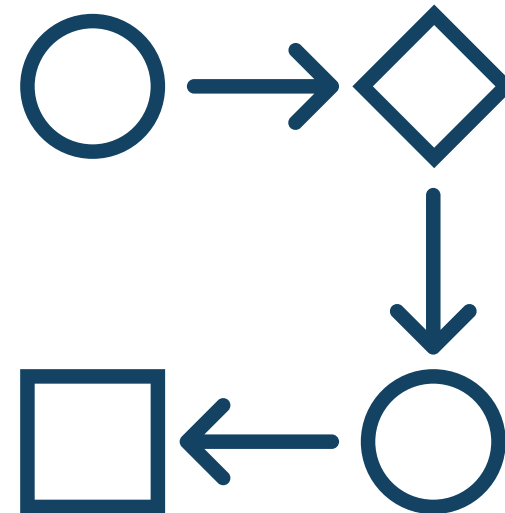
- Must include full-text PDFs of up to five documents
- Scientific papers, journal articles, news reports, and more
- Documents should frame the need for the project, as well as demonstrating its likelihood of efficacy (research) or adoption (alliance), and economic feasibility

List of Pesticides/Active Ingredients

- Two lists may be included in proposal application
 - Pesticides/active ingredients potentially impacted by the project
 - Pesticides/active ingredients intended for use in the project
- Make sure your list includes any target pesticides perceived as high-risk or high concern
- Do not use trade names (see certification and submission statements)

Optional Illustrative Graphics

- If included, graphics should represent project structure or concepts
 - Plot layouts, novel engineered apparatuses, pictures of habitat, flow charts, etc.
- Do not rely on graphics for any specific part of the application – graphics should be used only to enhance the proposal



Proposal Review Process

- Proposals are reviewed and ranked by:
 - **DPR internal reviewers**
 - **Pest Management Advisory Committee (PMAC) reviewers**

PMAC is a diverse stakeholder body that assists DPR in identifying and promoting integrated pest management (IPM) practices that reduce the risk of pesticide use to public health and the environment. Members represent academia, agricultural groups, environmental groups, labor groups, public interest groups, nonagricultural pesticide users, pest control advisors, and registrants and other industry members
- DPR's director selects projects based off the combined rankings of PMAC and DPR internal reviewers

Notification Process

- After DPR's director selects proposals for award, DPR staff notify applicants via email
 - Successful applicants invited to draft grant agreements
 - Unsuccessful applicants provided with feedback on the merits and concerns found in their proposal applications
- Research applicants notified in April
- Alliance applicants notified in June

Where Can I Learn More?

<https://www.cdpr.ca.gov/dprgrants.htm>

Email us at IPMGrants@cdpr.ca.gov



The screenshot shows the top navigation bar of the California Department of Pesticide Regulation website. It includes the CA.GOV logo, a globe icon, a home icon, and social media icons for Facebook, Twitter, LinkedIn, and YouTube. The text "About DP" is visible in the top right corner. Below the navigation bar is the main header area, which features the "dpr" logo and the text "California Department of Pesticide Regulation". To the right of the logo are two menu items: "Programs" with a checkmark icon and "Databases" with a folder icon. A horizontal orange line separates the header from the main content area. The main content area displays the title "Pest Management Grants" in a large, bold font. Below the title are two links: "[Back to Pest Management](#)" and "[Back to Pest Management and Analysis Program](#)".