

PHASE II, PROPOSAL APPLICATION QUESTIONNAIRE FOR RESEARCH GRANT PROGRAM

Note: DPR understands that some details of a proposed project may have changed slightly between when the Concept Application was submitted and the Proposal is submitted. However, the total amount requested may not change by more than 15%.

Applicants are expected to provide the information requested in the Questionnaire section below, the information requested in Exhibits A-B2 in the enclosed MS Word document, and all required key references as described in the Questionnaire. Proposals will be ranked in terms of funding preference based on those three sources of information. DO NOT convert Exhibits A-B2 to a PDF or any other file format.

Certification and Submission Statement

- I certify under penalty of perjury:
- I am an employee of or a consultant for the Applicant and I am authorized to submit the application on behalf of the Applicant;
- The information provided on behalf of the Applicant is true and complete to the best of my knowledge, and;
- I understand that any false, incomplete or incorrect statements may result in the disqualification of this application.
- By submitting this application, I waive any and all rights to privacy and confidentiality of the proposal on behalf of the Applicant, to the extent provided in this Solicitation.

Submitted By
Submission Date

Relationship to Applicant

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QUESTIONNAIRE

1. Project Background

- 1.1. Pesticides and Pests:** List the pesticide product names and active ingredients that the project will address. Identify the key pests that these pesticides target. If the number of pests is large, please list important examples. (2000 characters maximum)

- 1.2. High Regulatory Concern/Risk:** Describe why the pesticides listed in 1.1 are of high regulatory concern and/or considered high-risk. Examples: risks to the quality of ground water, soil, surface water, or air; risks to the safety or health of workers, the general public, wildlife, or endangered species; drift, runoff, or leaching; and contributions to atmospheric volatile organic compounds (VOCs). (1500 characters maximum)

- 1.3. IPM System:** Describe how the project may reduce the use of and/or risks from the pesticides listed in 1.1 and may contribute to an IPM system. Examples: Does the project develop a component of an IPM system that could serve as a feasible alternative to conventional pest control practices? Does it analyze data to answer important questions that could assist in furthering development of an IPM system? (2000 characters maximum)

- 1.4. Economic considerations:** For a pest management practice or method to be voluntarily adopted it must be economically feasible as well as effective at controlling pests. An estimate of the cost of implementing those practices or methods can be useful in promoting their adoption. Will the project be able to provide that cost information? If the question is not applicable to project, explain why. (2000 characters maximum)

- 1.5. Related Research:** Describe any related research or preliminary data that supports the value of the proposed project. (4000 characters maximum)

2. **Project Design and Analysis:** If one of the provisions listed below is not applicable to the proposed project, please explain why. Applicants will not be penalized if a question is not applicable to their project if they respond with a satisfactory explanation. For example: Observational studies such as meta-analysis or certain types of models may be computer-based analyses of existing data and will have a different experimental design and analytical methods than a field based study.
 - 2.1. **Assumptions, Modeling Framework, and Hypotheses:** Describe these in terms of how they logically relate to achieving the project goals through the completion of the tasks and deliverables. (2000 characters maximum)

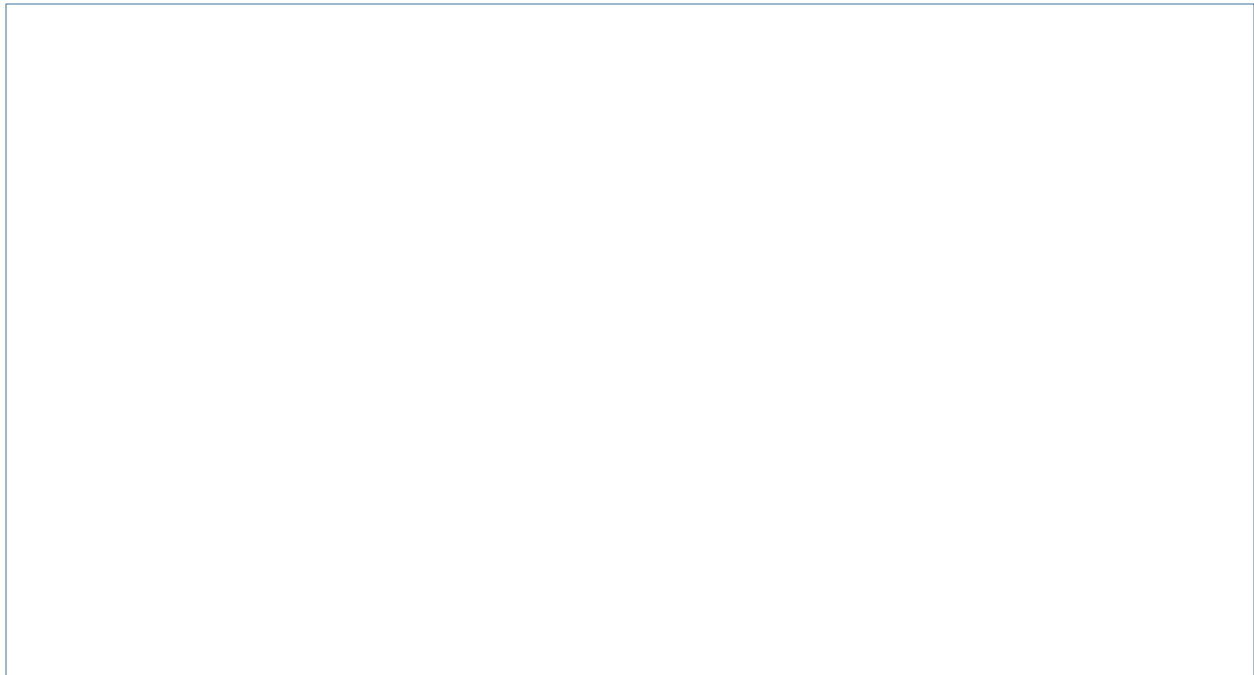
2.2. Study Methods: Identify the basic experimental methods that will be used to test hypotheses and to complete the deliverables and tasks. If none of three methods apply, please explain why.

- **Field experiment:** Experimental design and statistical inference from a controlled field setting.
- **Laboratory/greenhouse experiment:** Experimental design and statistical inference from a controlled laboratory or greenhouse setting.
- **Observational study:** Statistical analysis of existing data or measured variables under existing conditions without manipulation of setting.

If field research is to be conducted outside the state of California, explain and justify how the experimental/study conditions are California-like. Provide this justification and explanation for all laboratory and greenhouse experiments if natural environmental conditions are part of any treatments or methods. (2,000 characters maximum)

- 2.3. Experimental design:** Experimental design refers to the physical organization of the experiment; the assumptions regarding conditions; testable hypotheses and modeling specifications and parameters; the types, form, and amount of collected data; the method of assigning treatments; and the statistical methods or methods for determining the significance or importance of model results and parameters.
- If applicable, briefly summarize the basic experimental design and assignment of treatments that the project expects to follow. Include details about what the experimental units are, what treatments will be applied, what treatment serves as a control(s), the level of replication, what measurements will be taken, and the statistical analysis likely to be applied. Neglecting these details is likely to lead to a lower score on review. If the question is not applicable to the project, explain why it is not. (4000 characters maximum)

- 2.4. Observational study design:** Observational study design refers to the organization and analysis of observational data. (For example, meta-analyses, modeling existing data, survey, descriptive, case study, ecoinformatics, or others. Laboratory or field experimental studies may or may not have an observational study design component.)
- If applicable, briefly describe the basic observational study design that the project expects to follow. To the extent applicable, include all the elements of an experimental design listed in 2.3. If the question is not applicable to the project, explain why it is not. (2000 characters maximum)



- 2.5. Optional Project Design Diagram:** An optional diagram of the layout of the experimental or analytical design may be provided as a one page Word or PDF document called “Project Design Diagram.” There is no specified format or criteria for the diagram beyond than it should be a graphical visualization that can assist reviewers in better understanding the design of your project.
- 3. Key and Other References**
- 3.1. References:** Compile a list of any references cited in the Proposal into a single MS Word document. *Additionally, the full text of each key reference cited to support the proposal’s methods and merits must be provided as a PDF document.*

4. Additional Information

- 4.1. Resubmission:** Indicate if the proposed project, or a substantially similar project has been submitted for funding under the DPR Research Grant Program before. If it was, indicate what year the project was previously submitted and briefly discuss how reviewer's previous concerns (as stated in the past notification letter) were addressed by current application. (2000 characters maximum)

- 4.2. Notification:** Applicants whose projects are selected for funding will be sent a letter and an email to the notification mailing address and email address provided with the application. If you would prefer the letter to be sent to a different mailing address, enter it here. Additional email addresses to receive notifications of award may also be added here. (1000 characters maximum.)

- 4.3. Media Contact:** The media contact is the organization's contact person for media inquiries. If the organization does not have an official media contact, the principal investigator should be designated as the media contact. (500 characters maximum)

- 4.4. Optional Additional Relevant Information:** We understand that some applicants may feel that their projects cannot be adequately described solely by responding to the provisions of this questionnaire. Applicants may also submit a one-page MS Word document containing information (For example, text, graphs, photos, updates to project team members, or anything else) that the applicant thinks is important for the reviewers' consideration.
- 4.5. Letters of Support:** Combine letters of support and commitment from all principal investigators, other key research personnel, or relevant stakeholders, into a single Word or PDF document and submit that file with your application.