



Alternatives to Organophosphate Insecticides Request for Proposals Guidelines

The 1995 Washington State Legislature created the Washington State Commission on Pesticide Registration (WSCPR) to assist users of pesticides in obtaining and maintaining pesticide registrations for minor uses in Washington State. To more fully meet the state's pest management needs, the 1999 Legislature authorized the WSCPR to fund all forms of pest management options including biological, cultural, and chemical control of pests.

The Washington State Commission on Pesticide Registration received a one-time appropriation of \$500,000 during the 2022 Legislative Session. These funds are directed to pest management user groups, who presently use chlorpyrifos and other organophosphate insecticides, to research alternative pest control strategies to organophosphate insecticides.

Purpose of Request for Proposals

The purpose of this request for proposals (RFP) is to solicit studies and activities that will result in alternative pest control strategies to organophosphate insecticides and to support research, implementation, and demonstration of any aspect of integrated pest management (IPM) and pesticide resistance management programs in Washington. The WSCPR's enabling legislation defines IPM and will therefore adhere to the following definition:

“Integrated pest management is a strategy that uses various combinations of pest control methods, biological, cultural, and chemical in a compatible manner to achieve satisfactory control and ensure favorable economic and environmental consequences.” RCW 15.92.010(4)

Proposal is defined as a written request for funding to address a particular pest control need for specific crop(s) or non-crop site(s). A proposal may contain multiple projects.

Proposals dealing with development of alternatives to organophosphate pesticides on a wide variety of sites may be submitted, but only from crops or non-crop sites where the organophosphate insecticides are registered or were registered in the past year.

If you have questions, contact the WSCPR Research Coordinator's Office: Vicky Scharlau at vicky@501consultants.com (cc: franklin@501consultants.com) or 509-782-1200.

TIMELINE <i>(subject to change)</i>
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- Proposals Due: Submission is required 14 days before the meeting where the proposal is reviewed.
- Proposal presentation and evaluation meetings are: Wednesday, May 25 at WSU Puyallup; Wednesday, September 14 at TBD; Wednesday, December 14 and Thursday, December 15, in Ellensburg. These meetings are in person.

- Proposals may be considered outside of the 3 meeting dates
- Notification to applicants will be no more than 7 days after proposal presentation and evaluation meetings.

REQUIREMENTS

Proposals must originate from and be submitted by an affected pest management user group (e.g., tree fruit growers, vegetation management applicators, pest control operators, organic vegetable growers, etc.). An individual, company or organization **may** make the request on behalf of a pest management user group, if there is demonstrated support by the affected pest management user groups.

Because data generated in other states can benefit Washington in the pesticide registration process and/or in development of integrated pest management and/or pesticide resistance programs, pest management user groups *outside of Washington* may submit proposals if they can prove the project is actively supported by a Washington pest management user group.

Proposals may be submitted without a researcher identified to perform the study(s); however, a researcher must be identified prior to execution of the grant, however, the Commission can assist in identifying a researcher to do the work. Submitters are encouraged to suggest field and/or laboratory researchers or other individuals to carry out project activities; however, WSCPR reserves the right to select the individual or organization to complete WSCPR-funded projects.

To be considered, a project must involve one or more of the below products and one or more crops or non-crop sites on which it/they are registered or have been recently registered:

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|---------------------------|----------------------|---------------------------|
| • <u>Acephate</u> | • <u>Dimethoate</u> | • <u>Phosmet</u> |
| • <u>Chlorpyrifos</u> | • <u>Ethoprophos</u> | • <u>Primiphos-methyl</u> |
| • <u>Diazinon</u> | • <u>Malathion</u> | |
| • <u>Dichlorvos/ DDVP</u> | • <u>Naled</u> | |

Additionally, there must be reason to believe the product has been used on the crop or non-crop site.

It is the responsibility of the grant recipient to obtain necessary state or federal permits (such as state experimental use permits).

Ineligible Submitters

Requests will not be accepted from manufacturers, pest management companies, dealers, or distributors that sell, manufacture or would benefit from any of the product or service being tested.

Attendance

The WSCPR hears proposals at its May, September and December meetings. A designated representative of the user group **must** attend the meeting when the proposal is reviewed.

The designated representative may also be the researcher. The representative should be prepared to show evidence of support and answer questions. There will be a Zoom option for presenters unable to attend in person.

FUNDING

WSCPR has received a one-time appropriation of \$500,000 to fund research for alternative pest control strategies to organophosphate insecticides. Projects may begin as soon as an award letter is received. Funding must be spent by June 30, 2023. Final reports are due by December 1, 2023.

Fund Contributions

(Also referred to as User Group Support, Matching Funds, In-Kind Funds, etc.)

WSCPR's funding is not contingent upon fund contributions.

Funding Out

Payments are contingent upon state funding for the program. In the event non-appropriation occurs during the course of the project, the Commission shall not be liable for the payment of costs incurred.

SUBMISSION GUIDELINES

Send completed electronic applications to the WSCPR Research Coordinator's Office. Acknowledgment of receipt will be sent.

A proposal is considered submitted when it is complete in adherence to the RFP. Applications may be sent back along with requested changes to ensure the proposal adheres to RFP guidelines in which case a revised proposal must be provided 14 days prior to the stated board meeting date. Applicants are encouraged to submit prior to the 14-day deadline to allow sufficient time for review.

Proposal Format

Proposals not adhering to guidelines will be rejected. Project requests must have:

- Application
 - ↳ Problem Summary
 - ↳ Project Description
 - ↳ Budget Form
- Good Laboratory Practices (GLP) Qualifications, if applicable
- No more than five pages including all forms
- 12-point font with one-inch margins (forms may match the formatting provided)

Assistance

Pursuing pesticide registrations and developing integrated pest management and pesticide resistance programs can be complex, expensive and difficult. Developing a proposal to fund these projects can be challenging. WSCPR Commissioners may be contacted for input (see website: <http://www.wscpr.org>).

APPLICATION

Cover Page

Please fill out all items to the best of your knowledge, including:

1. Project title
2. Applicant (User Group) name and contact information
3. (Optional) Lead PI/Researcher on project, their institution, and contact information
4. Crop you are trying to protect, pest you are trying protect it from, and alternative treatment method
5. The currently registered organophosphate insecticide(s) in use and the proposed alternative pest control strategy
6. Percent of funds requested for registration and nonregistration. If project covers both mandates, provide percentages for each
7. Whether the project is or includes Good Laboratory Practices (GLP)
8. Project funding start and end dates between June 2022 - June 2023
9. Total project cost, how much is WSCPR requested funds and (optional) how much is contributed funds
10. A brief project summary
11. Signed by an acknowledged representative of the User Group (such as an association director, commission member, or other designee)

Project Summary

In 150 words or less, describe how WSCPR support will resolve the pest management problem using alternative pest control strategies to organophosphate insecticides. Provide a precise summary of what you are trying to protect, where it is located, and the project outcome(s) anticipated in this funding cycle.

PROBLEM DESCRIPTION

Each proposal must contain a brief description of the affected industry and a detailed description of the pest problem. The USDA National Agricultural Statistics Service (NASS) website may be useful for some crop statistics.

It is recommended to include as many details as possible to help justify need:

- Crop farm gate value stating estimated per acre value of the crop or non-crop site.
- Per acre/unit impact including potential monetary losses if appropriate.
- Acres impacted.
- Aggregate impact to industry, including aggregate value of crop or non-crop site in the state.
- Effect of problem on industry.
- Effect of problem on consumers, society, environment, non-target species or human health.
- Description of alternative control measures and why they are not effective, less effective, cost more, have use restrictions, have label restrictions, or some reason that alternatives are less desirable.
- Importance of the organophosphate insecticide to the use site.

PROJECT DESCRIPTION

Project description is scored on the basis of overall merit and quality of proposal, likelihood the experiment will yield useful data, and appropriateness of costs provided in project budget.

Proposals must contain a timeline for each project component (objective) and for expenditure of WSCPR funds. It is recommended to include as many details as possible.

- Outline of objectives and procedures
- All methodologies used
- Location of experiment
- Laboratory performing analysis
- Number and size of plots
- Concentration and frequency of application
- Control plots
- Quality assurance information
- Manufacturer support for registration resulting from the successful completion of projects

BUDGET

Prepare your budget according to categories listed on the Budget Form. Fund contribution are optional, including in-kind such as equipment usage and crop destruct. Describe in-kind fund contributions and calculate cash equivalent value. Indirect or overhead costs are not allowed.

Also provide estimates for expenditures by quarter. WSCPR funds must be spent during the proposal timeline and may not be used to support other projects and efforts.

Ensure budgets are certified for accuracy. Inaccurate or unclear budgets will be returned along with requested changes to ensure:

- All calculations are correct
- Table 1 Total Expenditures match Table 2 Expenditures by Quarter
- Budget Form totals match the Application Form funding totals
- Table 2 Expenditures by Quarter are consistent with the Application Form funding dates

Labor

Funding requests for Salaries, Benefits, Temporary/Hourly Workers is allowed but exceptions are in place for WSU affiliated personnel.

Funding requests by WSU researchers cannot include student tuition or employee benefits for faculty, staff, and some temporary/hourly WSU personnel. If funded, tuition and mandatory covered benefits are paid by WSU. Student and nonstudent temporary/hourly

employees who are retirement and medical benefit eligible are not covered by WSU so their benefit costs can be included. See the [WSU Personnel 60.26 Temporary Employment Program policy](#) for more details on benefit eligibility for student and nonstudent temporary/hourly employees.

Contract labor should also be allocated under salaries, benefits, and temporary/hourly workers.

Travel

Travel to conduct research is allowed. Travel to professional meetings is not allowed. Foreign travel (not including to Canada) must be approved. Justification for travel funding must be provided on the Project Budget Form.

Equipment

Equipment needed to conduct research is allowed. Requests for lease or purchase of equipment are permissible, but must be outlined within a project proposal.

Equipment should be leased if possible. If purchased, ownership of equipment may be retained by the WSCPR. Use of purchased equipment may be extended to other individuals involved in WSCPR-supported projects. WSCPR will not purchase equipment for researchers or projects outside Washington State.

Other

Other funds including goods, services, and sequencing may be included in the proposed budget. Contract work for goods and services that are not considered labor (salaries, benefits, temp/hourly work) should be allocated and described here.

GOOD LABORATORY PRACTICES (GLP)

Projects that involve generating pesticide residue data in support of a registration must include provisions for GLP use. Proposals that require GLP research must submit evidence of qualification. Qualifications may be requested.

EVALUATION OF PROPOSALS

Submitted proposals that meet RFP guidelines will be evaluated by the WSCPR Board at their April meeting. Representatives will be provided a presentation timeslot of 15 minutes and should be prepared to show evidence of support and answer questions. Applicants will be notified about meeting time and location for proposal presentation in advance. A designated representative should be prepared to attend.

If multiple proposals are submitted involving one crop, the WSCPR Commissioner representing that crop will be asked to rank those proposals.

Proposals are reviewed for compliance with WSCPR guidelines including:

- Relevancy to requesting user group
- Experimental design, project description and statistical analysis

- Clear definition of problem
- Quality of budget and expenditure detail
- Conciseness (succinct) and attention to detail (following WSCPR guidelines)

Priority will be given to projects that have a higher likelihood of replacing organophosphate insecticide use patterns that have been recently lost or are in jeopardy of being lost.

The WSCPR Board will determine project awards following presentations at each of its meetings. Award notifications will be sent by the WSCPR's Research Coordinator office shortly following this meeting.

REPORTING REQUIREMENTS

The Principal Investigator/Researcher and User Group are responsible to prepare and submit a Summary Progress Report and Final Report. Reports submitted to other organizations suffice for WSCPR final reports.

Funds will not be disbursed if researcher has delinquent reports. If you are unsure if you have delinquent reports contact the WSCPR Research Coordinator's Office.

Summary Progress Report

An electronic one-page summary progress report for WSCPR-funded projects must be submitted to the WSCPR Research Coordinator's office by December 1, 2022, if a final report has not already been submitted.

Final Report

A final report is due by December 1, 2023.

EXTENSION REQUESTS

Grant contracts are locked by Washington State University 30 days after the final date of a research project. The WSCPR Research Coordinator will close and terminate contracts 60 days after the final date of a research project.

Extension requests may not be made to this one-time special funding for Alternatives to Organophosphates projects.

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