



COLLEGE OF AGRICULTURAL AND
ENVIRONMENTAL SCIENCES
AGRICULTURAL EXPERIMENT STATION
TELEPHONE: (530) 754-8378 / 752-7010
FAX: (530) 754-8379



WESTERN INTEGRATED PEST MANAGEMENT CENTER
DEPARTMENT OF ENVIRONMENTAL TOXICOLOGY
ONE SHIELDS AVENUE
DAVIS, CALIFORNIA 95616-8588
<http://www.wripmc.org>

Important Note: The Proposal Cover Page (SF 424) is a fillable PDF. To save the completed form “PRINT” to a PDF printer that shows in your printer list. If unable to save (print) as a PDF, print a hard copy and scan to create your PDF file.

Dear Applicants,

The Western IPM Center is pleased to release the Request for Applications (RFA) for “Addressing Western IPM Issues.” Applications are due on October 26, 2007. This RFA may be accessed at www.wripmc.org. A separate RFA for the Regional IPM Grants program is expected to be released in late September or early October.

The “Addressing Western IPM Issues” program is administered by the Western Region IPM Center and is open to all applicants.

Applicants should be aware of an important change: Proposals **must** be submitted in electronic format (PDF) through the following web page: <http://www.wripmc.org/PMCProjects/PIaccess/>.

Good luck with your submissions.

Rick Melnicoe
Director, Western IPM Center



Western Integrated Pest Management Center

Request for Applications - 2007

Addressing Western IPM Issues

Application Deadline: October 26, 2007

SUMMARY

The goal of the Western Integrated Pest Management Center (WIPMC) is: To increase the economic benefits of adopting IPM practices and reduce the environmental and human health risks associated with managing pests. This goal was established by the National IPM Roadmap. The Center addresses this goal through competitive grants and other programs and projects. WIPMC programs address pest management needs for production agriculture, natural resources and recreational environments, and residential and public areas.

Proposals **must** be submitted in electronic format (PDF) through the following web page: <http://www.wripmc.org/PMCTProjects/PIaccess/>. The online submission must be completed no later than **5:00 p.m. Pacific time on Friday, October 26, 2007.**

The Proposal Cover Page (form SF 424 (R&R) WRIPMC) must be completed and submitted electronically. In addition, a paper copy of form SF 424 (R&R) WRIPMC must be signed by the authorized representative of the submitting organization and faxed to the Western Region IPM Center office at 530-754-8379 (attention Linda Herbst) no later than **5:00 p.m. Pacific time on Friday, October 26, 2007. (Please fax only the signed form SF 424 (R&R) WRIPMC, not the entire proposal.)**

I. GENERAL INFORMATION

Funding in the amount of approximately \$200,000 is available for this competitive subcontracts program. The WIPMC solicits applications for the types of projects indicated below (see sections 1 and 2). Applicants must indicate the type of project they are proposing. The maximum allowed is \$40,000 per year, with a project maximum of \$80,000. Proposals are limited to the following states and territories: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, American Samoa, Federated States of Micronesia, Guam, and Northern

Marianas. Applications from private individuals and institutions, businesses, commodity organizations, and governmental and non-governmental organizations are invited. The primary project director must be from within the Western Region; however, collaboration with individuals outside the region is allowed. Proposals may request funding for up to two years (January 1, 2008–December 31, 2009). The second year of funding is dependent on continued USDA allocations for the WIPMC.

1. Outreach (Extension) and Implementation Projects

This funding category enhances outreach efforts that support the wide-scale implementation of IPM methods. Projects should be designed to maximize opportunities to build strategic alliances with industry and user groups resulting in increased adoption of IPM methods. This category also includes evaluation and assessment projects relevant to IPM adoption.

2. Research Projects

This funding category develops the research base needed for the construction of comprehensive pest management systems that have a strong likelihood of contributing to ongoing IPM implementation efforts. Research may be proposed to develop individual tactics needed for pest management systems (e.g., biocontrol, cultural control, host resistance, particularly novel uses of chemicals, monitoring methods, or decision support) or to increase the understanding of how interactions among tactics alter the effectiveness of pest management systems tactics within agricultural, recreational, suburban, and urban ecosystems. The experimental approach should emphasize field-scale experiments. Practices should be designed to reduce initial pest populations, lower the carrying capacity of the ecosystem for pests, increase tolerance of hosts to pest injury, and/or provide tools for making management decisions such as monitoring methods and action thresholds. Long-term fundamental research is not appropriate for funding in this category. Novel, cutting-edge methods, for which there exist data to support the likelihood of successful pest management and adoption, are encouraged. Research involving chemical pesticides should be designed to reduce the amount applied and frequency of applications and to increase the selectivity of a pesticide. The project should be designed to minimize adverse impacts on beneficial organisms and to limit buildup of pest populations that are resistant to pesticides. Applications should clearly demonstrate how the tactic or IPM system, once developed, can be incorporated into an existing management system. Projects funded in this category should demonstrate economic, social, and environmental benefits of IPM strategies and identify constraints to greater adoption of IPM systems by users.

II. PRIORITIES: (Projects must address one or more of these priorities.)

- (a) Development and implementation of IPM practices;
- (b) Development and implementation of models in pest management;
- (c) Research on the biology and ecology of invasive species (could include developing prevention, management, and rapid response programs);
- (d) Outreach and demonstration activities specific to IPM implementation;

- (e) Documentation of cost and benefits of implementation of IPM practices;
- (f) Development of IPM tactics for protection of endangered species;
- (g) Research and outreach on integrating new reduced risk tactics in IPM programs;
- (h) Research on how to make biopesticides more effective;
- (i) Urban pest management and environmental quality issues;
- (j) Measure the impact (human health, environmental, economics) of IPM adoption;
- (k) Document the use of weather based models in agriculture (adoption into normal practices) for the western states;
- (l) Determine specific impacts of newer classes of pesticides on the beneficial species present in a cropping system; or
- (m) Assessments of the impacts of pests across production areas.

III. STAKEHOLDER INVOLVEMENT

The Western IPM Center is committed to addressing the pest management needs expressed by stakeholders. Applications must include explicit citations that document the stakeholder-identified needs addressed by the proposed project. Sources of stakeholder-identified needs include, but are not limited to:

- (a) Needs identified in Pest Management Strategic Plans (available online at <http://www.ipmcenters.org/pmsp/index.cfm>);
- (b) Recommendations or reports from program advisory committees;
- (c) Recommendations from stakeholder groups; and
- (d) Other documented needs assessment evaluations.

Explicitly citing such sources is valuable in establishing both the importance of the project and that the Project Directors (PDs) and the grants program are engaged within the stakeholder community.

General letters of support that do not indicate the nature of the relationship of the stakeholders to the project DO NOT fulfill the requirement for demonstrating stakeholder involvement.

IV. MULTI-STATE/TERRITORY INVOLVEMENT

A goal of the WIPMC grants program is to encourage collaborations among states/territories for purposes of efficiency, economy, and synergy. To fulfill this goal, applications must project benefits to more than one state/territory. Projects involving multi-state/territory collaboration are preferred, but those undertaken by PDs in a single state/territory that will benefit other states in the region are also encouraged (see Section I, General Information). Applicants must address multi-state/territory relevancy in their proposals.

V. MATCHING FUNDS

While PDs are encouraged to seek matching funds, there are no cost sharing or matching requirements associated with the WIPMC grants program. Matching resources will not be factored into the review process as an evaluation criterion. However, if matching funds are available to the project, they should be described in the budget narrative.

VI. EVALUATION AND SELECTION CRITERIA

All proposals received will be acknowledged. A panel composed of non-western region reviewers will be convened in December to review all the proposals. You should not assume that reviewers are familiar with your program, abilities, and past accomplishments. Therefore, you must thoroughly address each required element (see Section VII, Application and Submission Information) and thoroughly detail how each element will be completed.

The criteria used for Technical Review to evaluate research; and outreach and implementation projects are:

Criteria	Possible Points
Appropriate objectives, design, and methodology The following will be considered in establishing the overall scientific value of the project: Will the planned research make a significant contribution to new knowledge or provide a better understanding of existing knowledge? Is the problem clearly presented and literature review adequate? Do the objectives address the problem presented? What is the probability of success? Does the project, as proposed, duplicate ongoing projects at other institutions?	30
Are the methods appropriate and sufficient to accomplish the stated objectives? Can the objectives be accomplished in the stated time frame?	20
Degree of interdisciplinary collaboration, including collaboration among research, Extension, private consultants, industry, and the user community. The feasibility of increasing IPM implementation as a result of the project.	20
Evaluation and Implementation Plans <u>Research Projects:</u> Implementation plan: Detail how the research may be applied in the field. --or-- <u>Outreach and Implementation Projects:</u> Implementation plan: Detail how you are going to apply the research in the field. Evaluation plan: Include an appropriate strategy/process to evaluate the success of the project.	10
Professional competence of the project team	10
Appropriate budget	10
Total possible points for Technical Review:	100

VII. APPLICATION AND SUBMISSION INFORMATION

Proposals must be submitted in the following format. This RFA and all forms required can be obtained at <http://www.wripmc.org/PMCProjects/Placcess/>. Some of these forms are **similar but not identical** to application forms used in the Grants.gov electronic submission process. All Applicants **must** use the forms provided on the WIPMC web page. Proposals must be submitted in electronic format.

Application must include:

TITLE (Cover Page form). Should be brief, clear, and specific. The title must be limited to 100 spaces (letters, punctuation, and spaces between words).

SUMMARY (Project Summary form). Must be a clear summary of the project, its objectives, and procedures for accomplishing the objectives. Include a brief statement of how the proposed project meets WIPMC priorities (Section II). This should not exceed 1,000 characters and spaces in length.

LENGTH. Proposals must not exceed ten (10) pages in length, excluding Title and Summary page, Literature cited, CVs, budgets and budget narratives, and other attachments. Proposals must be typed in a 12 point or larger font, single-spaced or double-spaced, with 1-inch vertical and horizontal margins.

PROJECT NARRATIVE (Project Narrative form). This section should include only the topics below. Other forms and sections contain additional information. This is the section that is subject to the ten (10) page limit.

Previous Work, Related Experience, and Justification

Provide a brief summary discussing pertinent experience, the status of current work, additional information needed, and how this project is expected to contribute to this need. The nature of the project and its objectives will determine the ease of predicting success, but where feasible it is appropriate to indicate the likelihood of achieving the objectives in a specified length of time.

Objectives

There should be a concise, complete, logically arranged and numbered series of statements defining the objectives of the project. Project Directors should feel free to group objectives in a way that seems most logical for the proposed project.

Procedures

A numbered procedure statement should correspond with each numbered objective. These statements should outline the essential working plans and methods that will be employed in attaining each objective. The procedure statement should show that the proposed work has the potential to provide data and information that will accomplish the objectives.

Outcomes

Identify the expected result of the project and how it relates to the goals of the WIPMC as stated in this RFA.

Evaluation Plans

A brief discussion of plans to evaluate progress must be included. A timeline showing expected progress and expected outcomes would be helpful and could be used as a part of the progress report to demonstrate satisfactory progress.

Probable Duration

The planned duration of proposed projects can be one or two years.

Cooperation of Key Personnel and Institutional Units Involved

Identify key personnel and each institutional unit contributing to the project. In multiple-institutional proposals, each institution should be identified and the lead institution designated. Applicants should clearly define the roles and responsibilities of each person and institutional unit of the project team, if applicable.

If the project includes consulting, collaborative, or sub-contractual arrangements, such arrangements should be fully explained and justified in the budget narrative and budget. In addition, evidence should be provided here that the collaborators involved have agreed to render these services. Acceptable documentation for this purpose includes letters of intent or statements of work from the individual or organization. Copies of either letters or email messages from the collaborators will suffice for this purpose.

LITERATURE CITED (Literature Cited form). Only those publications cited should be listed in this section. 15 literature citations should be the maximum for most projects. To provide uniformity, the following format should be used: Author(s). Title. Journal. Volume: Pages. Year.

ADDITIONAL FORMS

Curriculum vitae (CV forms). Project Directors, co-Project Directors, and any collaborators who will receive a portion of the budget must provide current vitae (three pages maximum) including a listing of the most relevant publications during the last 5 years.

Budget (Budget form). Form CSREES-2004 must be used for submitting the proposed budget. If requesting funding for two years, a budget form must be provided for each year as well as a combined budget form. A brief budget justification statement (Budget Narrative form) is required and must provide details for each line item in the budget. Indirect costs of up to 20% of the total cost of the project can be supported by these funds. Additional details on budget issues are available, upon request, from the Western Integrated Pest Management Center office.

Current and Pending Support (Current and Pending Support form). A completed Current and Pending Support form must be included for each Project Director and co-Project Director.

Conflict of Interest (Conflict of Interest form). A completed Conflict of Interest form must be included for each Project Director and co-Project Director.

National Environmental Policy Act Exclusion (National Environmental Policy Act Exclusions Form [CSREES-2005])

USDA CSREES Assurance Statements (USDA CSREES Assurance form [CSREES-2007]) is required.

ADDITIONAL APPENDICES (e.g., letters of support). All appendices must be in electronic form. Because of computer virus concerns, all appendices must be combined in a single PDF document. Please be aware that reviewers are under no obligation to read appendices, and they should be used only to provide documentation of statements presented in the main proposal.

SIGNATURES. The cover page of each proposal must be signed by the appropriate university/corporate officer and faxed to the WIPMC office by the deadline.

PROGRESS REPORT. Successful applicants of two-year projects must submit a progress report to the WIPMC by December 31, 2008.

FINAL REPORT. A final report must be submitted to the WIPMC no later than 60 days after the expiration of the project. The final report should follow the WIPMC report guidelines found at http://www.wripmc.org/CenterProjects/IPM%20Issues_rept_guide.pdf.

SUBMISSION OF PROPOSALS. All required materials for each proposal must be submitted online in PDF at <http://www.wripmc.org/PMCTProjects/Placcess/> by 5:00 p.m. Pacific time on Friday, **October 26, 2007**. Facsimile (except the cover page as noted below) and email copies are not acceptable. Additionally, a paper copy of form SF 424 (R&R) WR (cover page) must be signed by the authorized representative of the submitting organization and faxed to the Western Region IPM Center office at 530-754-8379 (attention Linda Herbst) no later than **5:00 p.m. Pacific time on Friday, October 26, 2007**.

Linda Herbst

Western Integrated Pest Management Center
Department of Environmental Toxicology
4249 Meyer Hall (Only Needed For FedEx)

University of California
One Shields Avenue
Davis, California 95616-8588
530-752-7010

<http://wripmc.org>

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