

IR-4/EPA Biopesticide Demonstration Grants

Project Grants 2004: Request for Proposals

The Biopesticide Demonstration Grants are administered by Interregional Research Project Number 4, under a cooperative agreement with the U.S. Environmental Protection Agency's Biopesticides and Pollution Prevention Division of the Office of Pesticide Programs. **The goal is to enhance the adoption of biopesticides in agricultural and non-agricultural settings in the U.S.**

This call is open to:

Organizations involved in work that can enhance the adoption of registered biopesticides in agricultural and non-agricultural settings. Teams comprised of organizations representing the biopesticide industry, grower and land grant university communities are invited to submit proposals. Biopesticide and conventional pesticide companies are urged to cooperate in developing proposals to demonstrate biologically-intensive Integrated Pest Management (IPM) systems.

Focus of Projects:

Projects should focus on the field demonstration of the effective use of biopesticides within biologically-intensive Integrated Pest Management (IPM) systems. Such systems may include novel combinations of biopesticides to enhance product performance, as well as those which integrate biological approaches into existing agricultural production systems using conventional pesticides, as a means to reduce risks associated with pesticide use. Capital improvement projects and projects that focus solely on research are not permitted under this award.

Funding Limit:

These grants will fund up to \$25,000 of project costs. **Indirect overhead costs are not permitted.** \$100,000 is expected to be available, dependant on BPPD funding transfer to IR-4. **Successful applicants will be notified when funding will be available.** This is the first year of this RFP announcement and should not be confused with the IR-4 Biopesticide Grant Program. The biopesticides utilized in this demonstration project must already be approved for use by the Biopesticide and Pollution Prevention Division of EPA. See the list at: <http://www.epa.gov/pesticides/biopesticides/ingredients/index.htm>.

Application Process:

Proposals must include the following information:

1. Principal investigator and Project Officer (if different) and principal members of the project team if more than one organization is participating. Include name, address, phone, fax and e-mail address (must be on first/title page)
2. Explain how each member of the team contributes to the project.

3. Executive Summary (not to exceed 1 page);
4. Rationale/Need for project / Project objectives;
5. Likelihood of broader adoption by grower community.
6. Description of anticipated risk reduction.
7. Criteria used to measure risk reduction
8. Provide a numerical list of all treatments including the products, rate (units), application timing, etc.
9. What crops or sites will this study be conducted on?
10. What experimental design will be utilized? (Such as Randomized Complete Block. Will there be a complete factorial arrangement of treatments? Also include plot size, statistical tests, number of replications etc.).
11. How many locations (field or greenhouse)?
12. Describe how this proposal is designed to provide information on how it fits into an integrated pest management program. (Note: We favor proposals that determine the utility of biopesticides as early season treatments, in rotation with conventional products, or in combination with other biopesticides rather than only a direct comparison of conventionals versus biopesticides). Keep in mind that the data need to be sufficient to determine the value of the biopesticide product to the pest control program.
13. Data collection (Describe what data will be collected such as crop yields, crop quality, pest control efficacy, etc. If visual efficacy evaluations will be collected, describe the rating scale used and the evaluation timings).
14. Describe the pests to be controlled, the degree to which they are a problem in your region and the frequency that they occur (season long problem, every year, every few years).
15. Will the crop be inoculated with the target pest or otherwise be brought into the test system to ensure that it will be available for evaluation? If not, describe the frequency of occurrence.
16. What is the proposed start date and completion date? Also describe this in chronological order in the context of experimental plan.

17. Describe the test facilities where these studies will be conducted.

18. Describe why this product is needed and why growers are likely to use this product. (Also list alternative conventional and biopesticide treatments)

19. Describe the extension/outreach component of your demonstration project (talks, publications, etc.).

20. **Labels** - Supply the label or the proposed label of the biopesticides to be evaluated. **Note:** This program only funds proposals involving biopesticides that are already labeled for the use being demonstrated in this project.

21. **Supporting preliminary data** (Attach tables, graphs of the current data that coincide with the proposed use. Do not only list literature citations. If appropriate, attach actual literature.)

22. Attach resume for Principal Investigator and Co-PI's.

23. Completed budget form (attached to RFP)

The following criteria must also be met:

An original and six (6) copies of the proposal must be submitted; and an electronic version of the proposal must be submitted on a 3.5@ diskette or CD in MS Word for Windows or Corel WordPerfect for Windows format;

Any proposal deviating from this format and not including the specified sections will not be considered for funding.

CRITERIA FOR EVALUATION OF BIOPESTICIDE DEMONSTATION PROJECT PROPOSALS

1. Adequacy of investigators, facilities, work plan and background research.
2. Evidence of efficacy. Positive supporting data provided.
3. Does experimental design allow the determination of performance relative to conventional control practices and how the biopesticide might fit into IPM programs?
4. Evaluation of budget.
5. Risk reduction impact (OP replacement, MeBr replacement, Children's dietary crop, etc.)
6. Potential impact of the project, site in a major region for that crop, degree of grower commodity group involvement in the study and extension component- outreach program.).
7. Other biopesticide control measures currently available to control target pest. (Lower rating if other biopesticide options exist, higher rating if few options exist)
8. Monetary support from registrant and/or and participation by grower/commodity partner.
9. Probability of biopesticide being used by growers-factors such as effectiveness, organic status and economics of use rates should be considered.
10. Probability of project completion based on timetable presented
11. Method of assessing grower adoption.
12. Probability of impact on extension, pest control advisors, pesticide distributors and other key influencers.
13. Evidence of cooperation between (among) two or more biopesticide/conventional pesticide companies involved in the demonstration.

Requirements:

Project must be completed within 12 months of the starting date.

All awards are subject to an audit by the EPA and IR-4.

Final Report

Recipients are also required to submit **two (2) copies** of a Final Compliance Report consisting of:

A one page Executive Summary describing the project and its accomplishments that could be used in a press release; Special emphasis should be given to the adoption of biopesticides measurable risk reduction outcomes of the project;

A final Compliance Narrative;

A news release (in standard release format) describing your project and its accomplishments;

A list of media outlets (local newspapers, radio and television stations, industry publications, commodity journals, etc.) that may be interested in receiving the news release on the project; and

An electronic version of the Executive Summary, Final Compliance Narrative, news release, and list of media outlets on a 3.5@ diskette in MS Word or Corel WordPerfect for Windows format.

The Final Compliance Narrative is due 30 days following the completion of the projection or end of the project period whichever comes first. Any materials published whether print, video, etc. **must** include language that funding was provided in whole (or part) by the IR-4 Project under a cooperative agreement with the U.S. Environmental Protection Agency.

Deadline:

Proposals must be received at the IR-4 Project offices, 681 U.S. Highway #1 South, North Brunswick, NJ 08902-3390, on or before 5:00 p.m. Eastern Time, March 19, 2004. The review and selection timing is dependent upon when funds are made available to the IR-4 Project. Applicants will be notified by e-mail of review and selection timing once finalized.

Address:

Submit an original and six (6) copies of the proposal and the electronic version to Dr. Michael Braverman, 681 U.S. Highway #1 South, North Brunswick, NJ 08902-3390; Tel: 732-932-9575, ext. 610; Fax: 732-932-8481; e-mail: Braverman@aesop.rutgers.edu.

Budget:

Provide an itemized budget, with categories such as labor, supplies, travel, etc. Provide a grand total. **Note: Overhead costs are not permitted.** Funding is only awarded on a per year basis so if this is a multiple year proposal, divide the budget for each year. Also include a list of support from the registrant or other sources. Provide information on other sources of monetary support and in-kind contributions from growers (land, plant material, etc).

Project Budget

Project Period:

From:

To:

Budget Category	Grant Award
Personnel	
Fringe Benefits	
Travel	
Equipment	
Supplies	
Contractual	
Other (specify)*	
Total	

The Other category **MAY NOT** include construction or indirect overhead.
These costs are not permitted, under any
circumstances, under this grant.
