



PENNSYLVANIA VEGETABLE MARKETING & RESEARCH PROGRAM

2301 N. Cameron St., Harrisburg, PA 17110 | 717-694-3596 | pvmp@embarqmail.com | PAVeggies.org

Pennsylvania Vegetable Request for Research Grant Proposals for 2023 Addendum *issued November 28, 2022*

The Pennsylvania Vegetable Marketing and Research Program in cooperation with the Pennsylvania Vegetable Growers Association is soliciting proposals for vegetable research grants for 2023. This is an addendum to the original Request for Proposals.

Evaluation of Pre-Proposals

The Research Committee and the Pennsylvania Vegetable Marketing and Research Board received and evaluated the following pre-proposals at their November 7, 2022, meeting. A copy of all the pre-proposals is available [here](#). Pre-proposals were rated using the following system:

- A – very interested in funding and in receiving a full proposal for final consideration
- B – potentially interested in funding – would appreciate a full proposal for final consideration
- C – very little or no interest in funding

A_1 Evaluation of rapid on-farm monitoring tools for the in-season and site-specific management of the fertigation in high tunnel vegetable production systems

Francesco Di Gioia - The Pennsylvania State University and Leah Fronk, Karly Ragan, Glen Bupp, Thomas Ford - Penn State Extension
\$10,000.

A_2 Precision cultivation using camera guidance technology in snap bean

John Wallace and Tosh Mazzone, Penn State University and Lynn Sosnoskie, Cornell University
\$1,600

B_3 Hydroponic Lettuce Nutrient Optimization

Krystal Snyder and Elsa Sanchez, Penn State University and Carla Garzon, Delaware Valley University
\$6,704

A_4 Study the impacts of soil aggregate stability on crop nutrient uptake and differences between cropping systems and management practices for growing vegetables

Dr. Gladis Zinati - Rodale Institute
\$7,580

A_5 Potential Residual Herbicide Programs in Pumpkin

Dwight Lingenfelter and John Wallace - Penn State and Lynn Sosnoskie, Cornell University
\$1,500

- A_6 Evaluation of Fungicide Programs for Powdery Mildew Control in Pumpkins**
Timothy Elkner - Penn State Extension and Beth Gugino - Penn State University
\$6,850
The Board would like to see the project include at least one fungicide program using OMRI-approved products.
- A_7 Evaluating Synergism and Safety Between HPPD-Inhibiting Herbicides and Pyridate**
Lynn Sosnoskie, Cornell University
\$2,000
- A_8 Monitoring Fall Armyworm**
Timothy Elkner and Karly Regan - Penn State Extension
\$1,750
Rather than being handled as a research proposal, this could be submitted to the Pennsylvania Vegetable Growers Association in a simple letter of request. The Association has a budget line set aside to support the sweet insect pest trapping network that could be used for this purpose.
- A_9 Keeping PA Vegetable Growers Profitable: Statewide Cultivar Trials on Tomatoes**
Elsa Sánchez – Penn State University and Robert Pollock, Timothy Elkner, Thomas Butzler, and Megan Chawner – Penn State Extension
\$20,000
- A_10 Evaluation of rootstock-scion interaction and yield performance in fresh-market tomato grown in high-tunnel**
Timothy Elkner – Penn State Extension and Francesco Di Gioia – The Pennsylvania State University
\$10,000
- A_11 Breeding fresh-market tomatoes for production in PA**
Majid R. Foolad - The Pennsylvania State University
\$8,000
- A_12 Breeding processing tomatoes for production in PA**
Majid R. Foolad - The Pennsylvania State University
\$8,000
- B_13 Ube, A New Crop for Pennsylvania Farmers**
Thomas Ford and Elsa Sánchez - Penn State Extension
\$6,500

Total Requested by Pre-Proposals - \$90,484

Final Proposals

Final proposals will be required to be submitted in hard copy format AND electronically to RA-AGCommodities@pa.gov by **January 18, 2023**. Send 22 hard copies of each final proposal to:

Penna. Vegetable Marketing and Research Program
c/o William Troxell, Executive Secretary
815 Middle Road
Richfield, PA 17086-9205

Arrangements should be made so the hard copies are received by the Program by January 18, 2023.

The Vegetable Marketing and Research Program Board is expected to review all the final proposals, prioritize them and make their final selection at their meeting on February 1, 2023.

If a proposal is accepted but only approved for partial funding, the party submitting the proposal will be given the opportunity to amend it. If a proposal is accepted and fully funded, the Board will require the execution of a formal Research Grant Contract between the researcher's institution and the Pennsylvania Vegetable Marketing and Research Program. The Program and Association grants are not to be used to cover indirect or overhead expenses. Funds shall be used for only those expenses outlined in the work plan and budget in the proposal. Researchers shall not purchase equipment of any type or kind without prior written approval of the Program and only if mandated by the nature of the work and in accordance with the work plan and budget in the proposal.

Any questions should be directed to William Troxell at 717-694-3596 or at pvmrp@embarqmail.com.

Final Proposal Format

Proposals should contain the following sections and provide a comprehensive overview of the project in concise form (**two to three pages**).

- Title: Give the title of the project.
- Personnel: List briefly the name(s) and qualifications of the principal researchers.
- Introduction: Describe briefly the need this project will address, including any background information.
- Objectives: State concisely the purpose of the project, the desired results and potential benefit to growers.
- Work Statement: Explain in detail the actual method(s), procedure(s), location(s), technique(s), and all other pertinent details relative to the implementation of this project.
- Budget: List the following:
Hourly Wages
Supplies
Travel
Miscellaneous
Total
- Duration of Project: Give the expected duration of the project. The normal contract period will be from April 1, 2023, to March 31, 2024.
- Signatures: Provide the signature(s) of the principal investigator(s) and/or appropriate institution officers.

Inspection

The Pennsylvania Vegetable Marketing and Research Program and/or the Pennsylvania Vegetable Growers Association shall have the option to conduct an "on-site" review of any project by an authorized representative after granting 20-days notice in advance of any intended inspection.

Presentation of Results

Final reports shall be prepared so that growers can readily understand how the project was conducted and how the results impact them in their farming operations. All reports should be three to four pages in length, including any relevant charts or graphs, single spaced with one-inch margins on all sides. Reports should NOT have a separate title page – the title should be incorporated on the first page of the report. The Program reserves the right to edit the reports. Reports will be posted on the Program's website at www.paveggies.org and distributed to growers in hardcopy format for those who do not have internet access.

The final report must be submitted by the end of the contract period at the latest by electronic mail to pvmrp@embarqmail.com. Reports should be submitted in either Microsoft Word documents or pdf files. If researchers are able to submit their final reports earlier than the end of the contract period, such as in December or January, that will enable the Program and Association to communicate the results to growers prior to the next growing season and would be greatly appreciated.

The Program and Association also would very much appreciate a short video summary of either the progress of the project or discussion of the results. This video will be made available to growers on the Program and Association's websites.

PLEASE NOTE - Presentations given at grower meetings or other events or articles in publications outlining the results of research supported by these grants are required to acknowledge with a slide (in Powerpoint presentations), verbally, or notes that the research was supported by a grant from the Pennsylvania Vegetable Growers Association AND the Pennsylvania Vegetable Marketing and Research Program. If appropriate, the following graphic can be used for this purpose:

