## 2021 Request for Proposals

## 2021 Research Priorities

### #1 priorities
- Develop cultivars that are summer bearing, high yielding, winter hardy, machine-harvestable, disease resistant, virus resistant and have superior processed fruit quality
- Fruit rot including pre harvest, post-harvest, and/or shelf life.
- Management options for control of the Spotted Wing Drosophila – including targeting systemic action on larvae
- Mite Management – need new tools and MRLs - Nealta
- Labor saving practices – ex. Pruning efficiency, public/private technology partnerships, harvester automation

### #2 priorities
- Understanding soil ecology and soil borne pathogens and their effects on plant health and crop yields.
- Foliar & Cane diseases – i.e. spur blight, yellow rust, cane blight, powdery mildew
- Root weevils
- Cutworm, leafroller management
- Soil fumigation techniques and alternatives to control soil pathogens, nematodes, and weeds

### #3 priorities
- Alternative Management Systems – fruit yield per linear foot of bed – planting densities, row spacing, trellising
- Nutrient Management – Revise OSU specs, Consider: timing, varieties, appl. techniques
- Irrigation management – application techniques including pulsing
- Viruses/crumbly fruit, pollination
- Management options for control of the Brown Marmorated Stink Bug (BMSB)
- Cane Management including suppression
- Pest Management as it affects Pollinators
- Effect on BRIX by fungicide and fertility programs
- Season extension: improve viability of fresh marketing
- Maximum Residue Limits (MRL) – residue decline curves, harmonization
- Weed management – horsetail, poison hemlock, wild buckwheat, nightshade

# Research Proposal and Reports Schedule

- September 14, 2020 - RFP issued based on priorities for calendar year 2021.

- October 19 - 23 -  Pre-Proposal Discussions - WRRC Research Committee and raspberry growers discuss ideas with Researchers intending to respond to the RFP.  Via Zoom.

- December 12, 2020 - Deadline for Final Report for 2020 projects.

- December 12, 2020 - Deadline for submission to WRRC for 2021 <u>proposals</u>. (If you send your proposals through WSU, check with them on the deadline.)

- January 6, 2021 - WRRC Research and Board meeting to evaluate 2021 proposals and determine needed follow-up questions.

- January 20, 2021 - WRRC Board approves final 2021 research projects and budget.

**NOTE**: The WRRC annual deadline for research proposals for any upcoming fiscal year (January-December) is December 12th of the current year. This deadline is timely for the annual proposal and budget review. However, the Commission will also consider proposals throughout the year, though funding decisions may not occur until late fall. Contact Henry Bierlink, Executive Director, for further information.

The Commission is looking for projects that meet the current research priorities. WRRC grants are open to non-profit organizations, including commodity groups/associations and farmers' groups, private enterprises such as pest consultants and food processors, university and extension programs. A progress report is due by December 12 of each year of a multiple-year grant. A final report, including final fund requests, are due no later than 60 days after the project ends. Funds for grants are limited and the selection process is competitive. Please follow the application process and format below, and be aware that WRRC allows only direct costs.

Submit your proposal electronically (as a Word attachment) to Henry Bierlink (henry@red-raspberry.org) by the deadline date. Initial funding decisions will be made in early January, final funding for projects will be approved in late January and notification will be made soon after. Funds will be available from documented invoices sent to the Commission office on the quarterly basis.

# Research Proposal Format Instructions

*Instructions:*

1.  Make every effort to prepare proposals so that they are self-explanatory and can be easily understood by producers.

2.  Address each item listed in format.

3.  Pay particular attention to anticipated benefits and how results will solve a problem or enhance the industry.

4.  Make objectives for project specific so they can be accomplished during the project period.

5.  At termination, projects will be evaluated as new projects and a new set of objectives should be presented.

6.  Keep to four (4) pages or less.  No exceptions, please.

7.  **Use 1" margins all around and 12pt Times New Roman font. (Charts can be smaller if necessary and margins can vary in order for them to fit on the page.)**

8.  Do **not** number pages.

9.  Make sure all information is included.

# 2021 WASHINGTON RED RASPBERRY COMMISSION RESEARCH PROPOSAL

**New Project Proposal**          **Proposed Duration:** (1, 2 or 3 years)

**Project Title:**

| | |
|---|---|
| **PI:** | **Co-PI:** |
| **Organization:** | **Organization:** |
| **Title:** | **Title:** |
| **Phone:** | **Phone:** |
| **Email:** | **Email:** |
| **Address:** | **Address:** |
| **Address 2:** | **Address 2:** |
| **City/State/Zip:** | **City/State/Zip:** |

**Cooperators:**

**Year Initiated\_\_\_\_\_   Current Year 2021  Terminating Year\_\_\_\_\_**

**Total Project Request:**      **Year 1  $**          **Year 2  $**          **Year 3  $**

**Other funding sources:** *(If no other funding sources are anticipated, type in "None" and delete agency name, amt. request and notes)*
**Agency Name:**
**Amt. Requested/Awarded:** *(retain either requested or awarded and delete the other)*
**Notes:**

**Description:** (less than 200 words) describing objectives and specific outcomes

**Justification and Background:** (400 words maximum)

- Provide a statement that clearly defines the issue you plan to address
- Why you plan to address it
- State how this project relates to other projects in British Columbia, Idaho and Oregon.

**Relationship to WRRC Research Priority(s):**

**Objectives:**

- Provide specific objectives that you will attempt to accomplish during the project period.
- Which objectives will be addressed this funding year?

**Procedures:** (400 words maximum)

- Anticipated length of project

- What will be done and when

**Anticipated Benefits and Information Transfer:** (100 words maximum)

- What specific benefits will result from this project for producers and/or the raspberry industry?  Be clear and direct.
- How will results be transferred to users?

**References:**

**Budget:** *Indirect or overhead costs are not allowed* unless specifically authorized by the Board

|  | 2021 | 2022 | 2023 |
|---|---|---|---|
| **Salaries[1]** | $ | $ | $ |
| **Time-Slip** | $ | $ | $ |
| **Operations (goods & services)** | $ | $ | $ |
| **Travel[2]** | $ | $ | $ |
| **Meetings** | $ | $ | $ |
| **Other** | $ | $ | $ |
| **Equipment[3]** | $ | $ | $ |
| **Benefits[4]** | $ | $ | $ |
| **Total** | **$** | **$** | **$** |

**Budget Justification**
[1]Specify type of position and FTE.

[2]Provide brief justification for travel requested.  All travel must <u>directly</u> benefit project. Travel for professional development should come from other sources.  If you request travel to meetings, state how it benefits project.

[3]Justify equipment funding requests.  Indicate what you plan to buy, how the equipment will be used, and how the purchase will benefit the growers. Include attempt to work cooperatively with others on equipment use and purchase.

[4]Included here are tuition, medical aid, and health insurance for Graduate Research Assistants, as well as regular benefits for salaries and time-slip employees.

# Washington Red Raspberry Commission
## Progress Report Format for 2020 Projects

**Project No:**

**Title:**

**Personnel:**

**Reporting Period:**

- Report for past year except for termination year (i.e. at the end of the three-year project period), when a complete project summary/termination is requested.

**Accomplishments:**

- What are the main accomplishments of the project and their significance in terms of the problem solved or enhancements to the industry?

- What has been contributed to science and/or the industry?

**Results:**

- Provide a brief summary of the results.

**Publications:**

- List publications, technical reports, popular articles, or other outputs have resulted from the project?

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**NOTE:** Limit annual Progress Report to one page and Termination Report to two pages, except for publications.

## *Current & Pending Support*

Instructions:
1. Record information for active and pending projects.
2. All current research to which principal investigator(s) and other senior personnel have committed a portion of their time must be listed whether or not salary for the person(s) involved is included in the budgets of the various projects.
3. Provide analogous information for all proposed research which is being considered by, or which will be submitted in the near future to, other possible sponsors.

| Name (List PI #1 first) | Supporting Agency and Project # | Total $ Amount | Effective and Expiration Dates | % of Time Committed | Title of Project |
|---|---|---|---|---|---|
| | Current: | | | | |
| | Pending: | | | | |