

# REQUEST FOR RESEARCH PROPOSALS

December 9, 2020

On behalf of Idaho's cattle producers, the Idaho Beef Council is soliciting research proposals in the following areas:

- PRE-HARVEST BEEF SAFETY
- HUMAN NUTRITION
- PRODUCT QUALITY & TECHNICAL SERVICES
- SUSTAINABILITY
- OTHER RESEARCH SUPPORTIVE OF THE BEEF INDUSTRY

To be considered for funding, please submit proposal with the following information:

- Indication of which area (listed above) this research will address
- Description of institution or other facilities available for this study
- Other organizations involved with project
  - Provide the names and locations of organizations, which will be collaborating with you, and the nature of the collaboration on this project such as services provided.
- Project Information (Maximum limit of 15 pages for this section).
  - Project Title
  - Present knowledge of subject – literature review
  - Description of earlier research by Principal Investigator (PI) in this area or closely related field. Cite important publications authored by the PI (not more than 5) on this or closely related subjects.
  - Statement of problem and specific objectives of the study; be descriptive, quantitative and provide an estimate of the time frame for accomplishment of each.
  - Design of experiment/materials and methods. Provide details of project protocol, techniques involved, sampling regime and the required analyses.
  - Total time required for completion of objectives, statistical analyses and written manuscript/final report.
  - Percent of time to be spent on the project by: Principal Investigator, Associate Investigator, Technician, Student, etc.
  - Time schedule of, person responsible for, and method of periodic status reports to the industry, Idaho Beef Council and others.
- Provide a 1-2 page biographical sketch or curriculum vitae (NIH format acceptable). This may be in addition to the 15-page limit noted above.
- Budget proposal outlining capital outlay, personnel and materials, computer/publications, travel, miscellaneous costs.
  - Please note the following budget restrictions: indirect / overhead costs, principal investigator salary, student fees, tuition and major equipment purchases are not allowed.
- Statement of other sources of support/co-funding
- Statement of how the proposed research will be of economic benefit to the beef industry.
- Signature of principal investigator, department head and contract/grants official

- Contact information including mailing address, telephone and e-mail information
- Summary Sheet (1 page):
  - Date submitted
  - Principal investigator
  - Project title
  - Objectives of research proposal
  - Description of Research proposal
  - Short-term benefit of the research to beef industry
  - Long-term benefit of the research to the beef industry
  - Estimated cost for FY20
  - Total cost (if multi-year)
  - Amount requested from IBC in FY20
  - Estimated timetable of research

This is a unique funding cycle. We are accepting proposals for fiscal year 21 (FY21) which covers February 15, 2021 – June 30, 2021 as well as fiscal year 22 (FY22) which covers July 1, 2021 through June 30, 2022. You may submit one project which covers research spanning both fiscal years, but the project must be broken into phase 1 which aligns with FY21 and phase 2 which aligns with FY22. You may also submit research proposals that only cover one fiscal year. All applications are due Monday, January 11, 2021 by 12:00 p.m. (noon) MST in both Word and PDF format. Please use either Calibri 11.5 or Times New Roman 12 point font.

Please note, due to the fact The Idaho Beef Council must close its books each August for a financial and compliance audit:

- FY21 awarded research funds can only be spent February 15, 2021 through June 30, 2021.
- FY21 expenses incurred February 15, 2021 through June 30, 2021 must be invoiced by July 30, 2021.
- FY21 final reports summarizing research are due by July 30, 2021.
- FY22 awarded research funds for can only be spent July 1, 2021 through June 30, 2022.
- FY22 expenses incurred July 1, 2021 through June 30, 2022 must be invoiced by July 30, 2021.
- FY22 final reports summarizing research are due by July 30, 2022.

Research objectives should be clearly defined, and studies should be well-controlled. Proposals should clearly identify the relevance and potential benefit to the beef industry. To the extent possible, nutrition studies should be conducted with humans, and for whatever age group selected, a clearly defined population should be identified. Nutrition study design should utilize dietary beef among the treatment groups.

Research will be funded for the following time frames:

- FY21: February 15, 2021 through June 30, 2021.
- FY22: July 1, 2021 through June 30, 2022.

Please note, you must provide evidence that the appropriate animal/human institution review committee has reviewed the proposal. Projects will not be funded until appropriate review qualifications have been met.

If a proposal is selected for funding:

- **All awarded FY21 dollars must be spent by June 30, 2021 and final report and invoice received by July 30, 2021.**
- **All awarded FY22 dollars must be spent by June 30, 2022 and final report and invoice received by July 30, 2022.**

Funding may be renewed for a following year upon approval of a funding proposal for the following year. Budgets may vary widely, however, a well-justified and efficient budget, in both project cost and duration must be presented. We are aware that academic institutions have financial obligations for administering the research grants awarded to the faculty members. However, overhead costs, principal investigator salaries, student fees, fringe benefits, tuition and equipment purchases will not be considered as part of the funds made available for this research.

Leveraged funding through collaborations with industry, foundations, government and other sources with matching funds is encouraged. In addition, collaboration with additional researchers is encouraged where appropriate.

Proposals will be reviewed by the National Cattlemen's Beef Association, industry experts and the Idaho Beef Council Board of Directors. Proposals will be evaluated for uniqueness, relevance, soundness, potential for success, budget appropriateness and potential benefit to the industry and return on checkoff investment. The Cattlemen's Beef Board will also review the proposals for eligibility of checkoff funding. Applicants will be notified of funding decisions by February 1, 2021 and contracts will be issued in February 2021. Please note, applicants who are awarded funding will be given 14 days to sign the research contract. Contracts not signed within 14 days may forfeit funding. As the funding source, the Idaho Beef Council issues the research contract. This is a standard beef industry contract used by State Beef Councils and changes to it will not be permitted.

Please note the information and format required, as well as the page and budget restrictions. For any questions, please contact TK Kuwahara, Chief Executive Officer, by phone at 208-779-2769 or email to [TKuwahara@IDBeef.org](mailto:TKuwahara@IDBeef.org).

Please share the enclosed guidelines and application materials with all appropriate individuals at your institution or elsewhere. This announcement and the application form can also be found online at: [www.idbeef.org](http://www.idbeef.org).

**The deadline for completed applications (a signed original and electronic copy) is January 11, 2021 by 12:00 p.m.(noon) MST. Please submit applications to:**

**Idaho Beef Council  
1951 W. Frederic Lane  
Boise, Idaho 83705  
[BeefCouncil@IDBeef.org](mailto:BeefCouncil@IDBeef.org)**

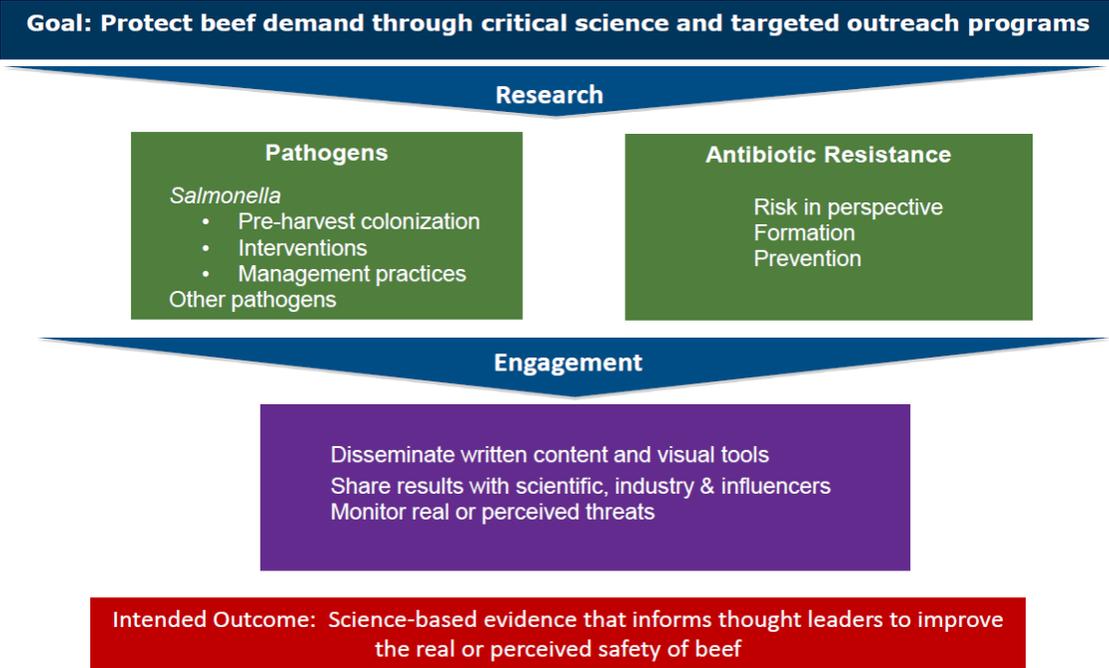
A state agency, the Idaho Beef Council was created in 1967 by the Idaho legislature to serve as a marketing organization for Idaho's beef industry. It is funded by the beef checkoff program - a \$1.50 per head assessment on the sale of cattle in Idaho. The funds generated from this are used to increase consumer beef demand through promotion, research and education. An eight-member board of directors guides the Idaho Beef Council.

For more information about the Idaho Beef Council, please visit [www.IDBeef.org](http://www.IDBeef.org).

The following research areas have been identified as the highest priority for support. Applicants should indicate the area for which their application is being submitted. Applications that do not address the defined priorities will be considered for funding if they have direct relevance to the beef industry and demonstrate innovative thinking and sound scientific design.

## FY20 IDAHO BEEF COUNCIL RESEARCH PRIORITIES

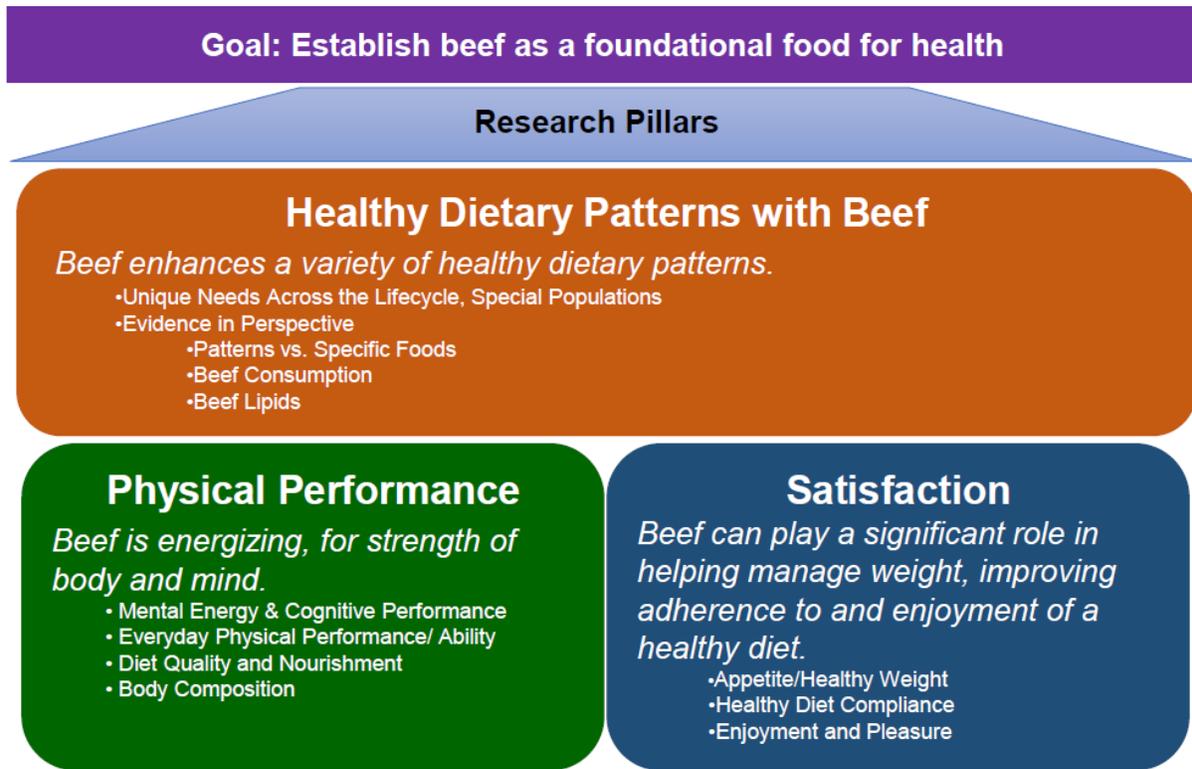
### PRE-HARVEST BEEF SAFETY



### PRODUCT QUALITY & TECHNICAL SERVICES

<i>Research Goal: Utilize science to solve complex issues associated with product quality and consistency, and improve the unique taste attributes of beef that drive it's demand.</i>		
Palatability & Consistency Research	Tenderness & Juiciness	Technical Services
<p><b>Flavor</b> Identified as a high-level research priority through 2020 with the goal of understanding flavor complexity and optimizing flavor consistency. Achieved through a targeted research model.</p> <p><u>Considerations:</u></p> <ul style="list-style-type: none"> <li>• Key flavor attributes and sensory evaluation</li> <li>• Precursor compounds</li> <li>• Industry steps pre- and post-harvest [i.e., feeding, aging (traditional- and long-aging, wet and dry), cooking methods, degree of doneness, etc.]</li> <li>• Cuts beyond middle meats and different beef types or quality levels</li> <li>• Positive and negative/off flavors</li> </ul>	<p>Explore beef tenderness and juiciness attributes and how they develop and change across products because of pre- and post-harvest industry steps. Research goal is to improve consistency of these attributes. Achieved through RFP model.</p> <p><u>Considerations:</u></p> <ul style="list-style-type: none"> <li>• Industry steps pre- and post-harvest [i.e., feeding, aging (traditional- and long-aging, wet and dry) cooking methods, degree of doneness, etc.]</li> <li>• Cuts beyond middle meats and different beef types or quality levels</li> <li>• Marbling</li> <li>• Carcass and cut size increases</li> </ul>	<p>Disseminate science-based research results to key industry stakeholders via creation and distribution of technical materials and tools. Monitor ongoing meat science research, trends, information gaps and research needs.</p> <p>Serve as key resource for expertise and education on the beef carcass, muscles and cuts, fabrication methods (traditional and novel) and beef technologies such as aging, packaging, nomenclature, cut substitutions, etc.</p> <p><u>Audience Examples:</u></p> <ul style="list-style-type: none"> <li>• Scientific community</li> <li>• Packers &amp; processors</li> <li>• Other Checkoff programs</li> <li>• State and channel partners</li> </ul>
<i>Technical Services Goal: Serve the industry through expertise and leadership on beef carcass muscles, cuts, product attributes and fabrication solutions.</i>		

## HUMAN NUTRITION



## SUSTAINABILITY

