



2021-22 Request for Applications

HICAHS Emerging Issues Short-Term Projects

Overview

In accordance with its mission, the [High Plains Intermountain Center for Agricultural Health and Safety \(HICAHS\)](#) offers funding to support projects in agricultural health and safety research. As one of several [Agricultural Safety and Health Centers](#) funded by the [National Institute for Occupational Safety and Health \(NIOSH\)](#), HICAHS has established a program to support Emerging Issues Projects. Applications are accepted on an ongoing basis.

Emerging issues are defined as health risks that are new or have rapidly expanding impact in the immediate or near future. The Emerging Issues Program is designed to provide a structure to identify issues of high priority for regional producers and the flexibility for HICAHS to respond rapidly. All funds for emerging issues will be used to address priorities identified by HICAHS constituents including producers, Extension Agents, the HICAHS External Advisory Board, and other Agricultural and Forestry partners in the High Plains Intermountain Region. Projects and use of funds may vary depending on the need and availability. Recent past examples of Emerging Issues include: rapid response to developing and communicating information on appropriate PPE and work practices for bird flu; Ebola virus in the High Plains Intermountain region and nationally; assessment of worker perceptions of health and safety risk in beetle-killed forests; development of dairy stockmanship videos for a mobile employee training tool; Total Worker Health™ approaches for agricultural businesses; and development of approaches to evaluate economic aspects (cost-benefit) and impacts of our programs.

Projects in this cycle will be funded at a level of up to \$25,000 for a varying project duration.

The requirements and criteria for emerging issues projects are described below. The project proposal should include an explanation of the Burden, Need, and Impact ([Felknor et al. 2019](#)) on the BNI method). Projects should respond to a clear **burden**, fill a specific **emerging need**, and have measurable **impacts** on injury and illnesses in the agriculture, forestry and fishing industries.

Approach

Emerging Issues in agricultural worker health and safety identified by HICAHS advisory board and partners include:

- Mental health
- Substance abuse/misuse
- Extreme weather/climate change, particularly heat stress & illness prevention, wildfire smoke and ash inhalation
- Distracted machinery operation
- Labor issues, particularly labor shortages and high turnover
- Musculoskeletal disorders
- Robotics
- Silica exposures
- Hearing conservation
- Land-based fish production/aquaculture
- Issues related to youth on the farm
- Zoonotic diseases, including COVID-19
- Interconnections between animal, environmental, and human health

Additional topics will be considered, but applications should justify why the topic is an emerging issue.

Proposed emerging issues and projects will be prioritized and selected by the HICAHS Leadership Team, with final decision on funding by the program director, Dr. Morgan Valley. Investigators and students of all levels are invited to apply.

Application Instructions

Applicants should submit a short (no more than 2 pages) proposal describing:

- The Problem and the associated Burden (risk, population affected)
- Project Objectives
- Approach, including a detailed plan on how the study will be conducted given current impact of SARS2/COVID19 to ensure that the study can be completed within the proposed timeframe
- Likely Outcome or Result
- Potential Impact
- A Brief Budget
- Letter(s) of Support

Submit your application electronically in a [single PDF file](#) to: hicaHS@colostate.edu. We will conduct rolling rapid reviews of proposals.

Applicants from Colorado State University (including Extension Services and Satellite locations) requires full OSP review for all proposals from CSU Principal Investigators prior to submitting an application and must be entered into the Quali Research Proposal Development system. Applicants from affiliate organizations are strongly encouraged to work with their sponsored programs office at their institution to meet all pre-application requirements specific to their organization.

Budget Guidance

All awards are contingent upon receipt of funding to the High Plains Intermountain Center for Agricultural Health and Safety from the National Institute for Occupational Safety and Health.

- 1) The typical award can be up to \$25,000 including indirect costs (limited to 8%). **Projects funds must be spent by August 14, 2022.**
- 2) Applicants cannot receive more than a cumulative total of 2 emerging issue awards as a Project Investigator.
- 3) Letters of Support are encouraged.
- 4) **Allowable expenses** include all relevant project expenses including:
 - Salary for key personnel, graduate students, and other support staff is allowed. Salary payment to faculty mentors is limited to 5% of a 12-month equivalent salary plus fringe benefits.
 - Supplies and small specialized equipment (under \$5,000).
 - Domestic travel necessary to conduct the research.
 - Equipment purchased for the project becomes the property of the university sponsoring the principal investigator.
 - Indirect costs are allowed; however they are capped at 8%.
- 5) **Disallowed expenses**
 - Indirect costs >8%
 - Faculty mentor salary >5% of a 12-month equivalent salary plus fringe benefits.
 - Technical conference travel.
 - Routine clerical assistance.

****Proof of Human Subjects (or Animal Care) Institutional Review Board approval, if applicable, is required before funds will be disbursed.***

Final Written Report

- 1) A final written report must be submitted within 60 days after the end of the budget period, with results preferably presented in manuscript form or in the form of a brief white paper with executive summary. This report should also document all presentations, publications, students/trainees supported, and extramural funds that have resulted, in part, directly or indirectly from this award.
- 2) Although a formal interim report will not be required, HICAHS staff may contact awardees to obtain updates on research progress, including products and narratives resulting from the award.

Acknowledgment Requirements: All presentations, posters, and publications resulting from HICAHS funding must acknowledge HICAHS and the NIOSH grant and use the HICAHS logo when appropriate (please contact HICAHS for logo files). Please state: "This [presentation/work/research/product] is supported by the High Plains Intermountain Center for Agricultural Health and Safety CDC/NIOSH Grant No. U54OH008085. Its content is solely the responsibility of the authors and does not necessarily represent the official views of CDC/NIOSH."