



Agriculture Appropriations Requests

The following requests are Idaho-related projects supported and sponsored by Senators Crapo and Risch:

Project Name: Alternative Crops

Amount Requested: \$1,500,000

Recipient: University of Idaho

Location: Moscow

Public Interest: For agricultural research and extension.

Description: This is an ongoing national research program designed to meet the sustainable and emerging needs of the canola industry in the U.S. These funds are utilized to address canola research priorities in plant physiology, entomology, agronomic testing, rotation practices, weed control, and breeding needs.

Project Name: Aquaculture

Amount Requested: \$1,500,000

Recipient: University of Idaho

Location: Moscow

Public Interest: For agricultural research and extension.

Description: This project would provide for the continuation of the comprehensive aquaculture research and outreach program at the Northwest Center for Aquaculture Research and Education jointly operated by the University of Idaho and Washington State University. Funding would support aquaculture research directed at solving challenges that are currently impeding aquaculture production in Idaho and Washington.

Project Name: Aquatic Nuisance Species
Amount Requested: \$1,000,000
Recipient: Idaho State Department of Agriculture
Location: Boise

Public Interest: To enhance an early detection monitoring network for immediate invasive species needs, including detecting and monitoring for new or spreading invasions

Description: The Idaho Invasive Species Council initiated a monitoring network for quagga mussel in 2007. A cooperative network consisting of the Idaho Department of Fish and Game, the Idaho Power Company, and the Idaho State Department of Agriculture is sampling waters statewide. This funding would be used to augment the Idaho-sponsored monitoring network for emerging aquatic pests and equip Idaho with tools needed to maintain a functioning and efficient quagga mussel monitoring network.

Project Name: Barley for Rural Development
Amount Requested: \$750,000
Recipient: University of Idaho
Location: Moscow

Public Interest: For agricultural research and extension.

Description: This program will continue to develop and improve barley varieties that reliably produce high quality feed and malt that are adapted to the Intermountain West. Funding would be used to support personnel and projects that would be responsible for advanced variety testing across the many locations in which barley is grown.

Project Name: Bighorn Sheep Vaccine Development
Amount Requested: \$900,000
Recipient: University of Idaho
Location: Moscow

Public Interest: For monitoring equipment and activities.

Description: Research is needed to determine the causes of bighorn sheep mortality, whether domestic sheep serve as a disease vector or carriers of organisms that could be transferred to bighorn sheep under grazing conditions and to find prevention and treatment options such as vaccines. This research will assist with public land use decisions related to domestic sheep grazing permits and to develop methods to control infectious diseases at the domestic animal-wildlife interface with specific focus on bighorn sheep health.

Project Name: Brucellosis Management, Prevention, and Surveillance in the Greater Yellowstone Area
Amount Requested: \$2,250,000
Recipient: Idaho State Department of Agriculture
Location: Boise

Public Interest: To develop and implement brucellosis herd unit management plans; to conduct brucellosis prevention, surveillance, control and eradication activities in Idaho and the Greater Yellowstone Area.

Description: This project is providing for the development and implementation of brucellosis herd unit management plans, as well as brucellosis prevention, surveillance, control, and eradication activities in Idaho and the Greater Yellowstone Area.

Project Name: Cool Season Food Legume Research

Amount Requested: \$1,200,000

Recipient: University of Idaho

Location: Regional

Public Interest: For agricultural research and extension.

Description: The Cool Season Food Legume Research Program was established to improve the efficiency and the sustainability of the U.S. dry pea, fresh pea, lentil, and chickpea industries. Research being conducted cooperatively by federal and state university scientists focuses on identification of genetically superior varieties in the breeding program; management of nematodes, insects, plant disease, and weeds; the reduction of soil erosion and improvement of water quality; and the development of value-added new products.

Project Name: Creating Connectivity across Nez Perce lands

Amount Requested: \$636,370

Recipient: Nez Perce Tribe

Location: Lapwai

Public Interest: To expand the construction of a 100 Megabit per second full duplex licensed bandwidth network across north central Idaho's rural areas

Description: This project will enable delivery of enhanced telecommunication capacity reservation wide. This collaborative effort will offer enhanced access to public safety, education and healthcare across a wireless network to those more remote regions within the territory.

Project Name: Developing Drought Tolerant Wheat Varieties for Our Changing Climate

Amount Requested: \$800,000

Recipient: University of Idaho

Location: Moscow

Public Interest: For agricultural research and extension.

Description: In recent years, adverse climate conditions, including severe drought in key agricultural regions, have impacted the global food supply of wheat. This funding would support research to identify, characterize, develop, and release winter and spring wheat varieties with improved drought tolerance.

Project Name: Enhanced Crop Water and Nutrient Use Efficiency through Development of Novel Boise State University Automated Wireless Sensor Technology

Amount Requested: \$2,000,000

Recipient: Boise State University

Location: Boise

Public Interest: To improve production efficiency and profitability and to develop new technology for specialty crops that conserve natural resources and enhance long-term production sustainability in Idaho.

Description: Efficient delivery and utilization of water and nutrients are high priority issues in arid, southwestern Idaho for growers of specialty crops and agronomic crops. Precision application of water and nutrients requires detection technology that can be used by growers to better manage limited water resources and to prevent nutrient contamination of ground water. This project will develop new technology that conserve natural resources and enhance long-term production sustainability for use by growers to collect, display and analyze biological and meteorological data that will guide their irrigation and nutrient management decisions.

Project Name: Idaho OnePlan

Amount Requested: \$200,000

Recipient: Idaho Association of Soil Conservation Districts

Location: Meridian

Public Interest: For computerized assistance for agricultural producers completing conservation plans that address all applicable local, state and federal environmental resource conservation requirements.

Description: The OnePlan Conservation Planner helps agricultural producers complete conservation plans that address applicable local, state and federal environmental resource conservation requirements.

Project Name: Improving Safety and Shelf Life of Agricultural Commodities

Amount Requested: \$1,392,741

Recipient: University of Idaho

Location: Moscow

Public Interest: For agricultural research and extension.

Description: The goal of this project is to enhance the detection of food safety indicators through nanotechnology development that offers fast, accurate detection of biological pathogens and dangerous food toxins to ensure safety and shelf life.

Project Name: Little Wood River Gravity Pressure Delivery System

Amount Requested: \$3,000,000

Recipient: Little Wood River Irrigation District

Location: Carey

Public Interest: For construction of and associated activities for the Little Wood River Gravity Pressure Delivery System project.

Description: The Little Wood River Irrigation District in Carey, Idaho, will convert the current open canal gravity delivery system to a closed gravity pressurized system. The project will eliminate most of the power presently being used for irrigation, increase water savings on irrigated cropland, and eliminate the major portion of potable water used by the city for irrigation and landscape watering.

Project Name: National Small Grains Germplasm ARS Facility

Amount Requested: \$300,000

Recipient: USDA/ARS

Location: Aberdeen

Public Interest: To continue conducting leading edge barley variety development, with an emphasis on high yielding malting barleys, winter malting barley, heart-healthy food barleys and specialty feed barley for fish feed.

Description: The funds will support barley variety development, including variety evaluation nurseries in at least seven locations throughout Idaho and winter seed increases to help speed the variety development process. This would increase the program's ability to generate new barley cultivars and more quickly move valuable traits from the laboratory to grower's fields.

Project Name: Nez Perce Bio-Control Center

Amount Requested: \$325,000

Recipient: Nez Perce Tribe Bio-Control Center

Location: Lapwai

Public Interest: For salaries and expenses.

Benefit to the Taxpayer: This funding would be used to manage and establish nurseries to increase biological control organism availability, distribute biological control organisms, monitor their impacts, and provide increased technology transfer to Cooperative Weed Management Areas and other landowners/managers regionally.

Project Name: Pocatello Land Conservation Program

Amount Requested: \$450,000

Recipient: Pocatello

Location: Pocatello

Public Interest: To acquire conservation easements.

Description: Requested funding will be used to acquire conservation easements on land to be managed with conservation limitations within existing agricultural management practices.

Project Name: Potato Cyst Nematode Eradication Program

Amount Requested: \$13,500,000

Recipient: USDA/APHIS

Location: National

Public Interest: For agricultural research and extension.

Description: The first U.S. detection of the Potato Cyst Nematode (PCN), a major potato pest, was made in Idaho three years ago. Animal and Plant Health Inspection Service (APHIS) manages a program to contain the current infestation, eradicate the infestation, restore lost foreign markets, and preserve current markets. The eradication program has made significant progress in the eradication effort, and continued dedication of funding is paramount to the effort of eradicating PCN and completely restoring lost markets.

Project Name: Potato Cyst Nematode Research

Amount Requested: \$400,000

Recipient: University of Idaho

Location: Moscow

Public Interest: For agricultural research and extension.

Description: The Potato Cyst Nematode (PCN) is an emerging threat in Idaho's agriculture, economy, and international trade future. Funding would be used for continuation of the post graduate research in multidisciplinary areas involved in PCN and potato virus research.

Project Name: Potato Research

Amount Requested: \$1,800,000

Recipient: University of Idaho

Location: Moscow

Public Interest: For agricultural research and extension.

Description: This funding would support the national potato variety development program to benefit all segments of the Northwest potato industry and indirectly benefit all U.S. producing regions.

Project Name: Pulse Nutrition and Global Climate Change Initiative

Amount Requested: \$2,500,000

Recipient: USDA/ARS

Location: National

Public Interest: For agricultural research and extension.

Description: Improved nutrition can assist with addressing global health issues, such as diabetes, obesity and infant mortality. Legumes are high in protein, low in fat, and provide many important nutrients for good health. This requested funding would be used for research and development to improve the nutritional quality, end uses and nitrogen fixing ability of dry peas, lentils and chickpeas.

Project Name: Rangeland Ecosystem Dynamics

Amount Requested: \$500,000

Recipient: University of Idaho

Location: Moscow

Public Interest: To gain a better understanding of how land integrity is influenced by reciprocal and cumulative effects of natural forces and human activities on these lands.

Description: Effective and sustainable rangeland management will arise from a clear understanding of how land integrity is influenced by reciprocal and cumulative effects of natural forces and human activities on these lands. The Owyhee Plateau and Canyonland region in Owyhee County, Idaho, is an outstanding location to study and create an integrative systems model that will offer rangeland management solutions in light of contemporary ecosystem dynamics. The funding would be utilized to provide a new research approach, centered in the Owyhee region of Idaho, that builds on existing research and focuses on reciprocal and cumulative effects of livestock grazing, plant invasion, wildland fire, and recreational activities on rangeland health and integrity.

Project Name: Sclerotinia Initiative

Amount Requested: \$2,210,000

Recipient: North Crop Science Lab

Location: National

Public Interest: For agricultural research and extension

Description: This funding would support research into finding sources of resistance, improving basic knowledge about the pathogen, and exploring efficacy of management tools involving the pulse, soybean, dry bean, and sunflower industries.

Project Name: Small Fruit Research

Amount Requested: \$1,100,000

Recipient: University of Idaho

Location: Moscow

Public Interest: For agricultural research and extension.

Description: This is an ongoing research effort supporting the development of small fruits and grapes in the Pacific Northwest. Improving the production and processing of these crops is critical for the success of these industries and to ensure the economic and environmental sustainable production of high-quality health berries and grapes.

Project Name: STEEP III

Amount Requested: \$2,500,000

Recipient: University of Idaho

Location: Regional

Public Interest: For agricultural research and extension.

Description: STEEP is a research and technology transfer program that develops and implements erosion control practices for agriculture in the Pacific Northwest (PNW). STEEP continues to provide PNW farmers and agribusinesses the conservation technologies, tools, and understanding to meet demands of agriculture and the environment.

Project Name: Sugarbeet research

Amount Requested: \$730,000

Recipient: USDA/ARS

Location: Kimberly

Public Interest: For salaries and expenses.

Description: The irrigated sector of sugarbeet production is heavily centered in the Pacific Northwest (PNW), particularly Idaho. The ARS lab in Kimberly, Idaho will continue research to protect the sugarbeet against the continual annual threat of losses due to sugarbeet diseases.

Project Name: Tri-State Predator Control Program

Amount Requested: \$1,500,000

Recipient: USDA/APHIS

Location: Regional

Public Interest: For salaries and expenses.

Description: This project would assist livestock producers who annually incur significant losses to wolves and other predators.

Project Name: Tree Fruit Automated Harvesting

Amount Requested: \$1,428,921

Recipient: USDA/ARS

Location: National

Public Interest: For designing and taking to the marketplace an autonomous tree fruit picking robot.

Description: This project would assist livestock producers who annually incur significant losses to wolves and other predators.

Project Name: Wood Utilization

Amount Requested: \$550,000

Recipient: University of Idaho

Location: Moscow

Public Interest: For agricultural research and extension.

Description: The Inland-Northwest Forest Products Research Consortium brings together the complementary expertise of the three university research programs in the region (University of Idaho, University of Montana, and Washington State University) that focus on forest products and timber harvesting questions. This partnership provides a base for comprehensive investigation of a wide range of questions of importance to the forest products industry.