

CSREES National Water Quality Program

- Applying Knowledge to Improve Water Quality -

Montana State University is part of the Cooperative State Research, Education, and Extension Service (CSREES) National Water Quality Program. The goal of this program is to protect or improve the quality of water resources throughout the United States and its territories, particularly in agriculturally managed watersheds. We seek to address this goal at the national, regional, state and local levels.

The CSREES National Water Quality Program brings university scientists, instructors, and extension educators into more effective and efficient partnerships with Federal interagency priority programs, all while addressing water quality issues in U.S. agriculture. This program provides the flexibility necessary for CSREES to bring the resources of researchers, instructors, and extension educators into national initiatives and programmatic partnerships that target evolving water quality needs.



The CSREES National Water Quality Program web site address is:
<http://www.usawaterquality.org/>

The nine regional water quality programs can be accessed from this site. This web site also features an index of all projects funded by the CSREES Water Quality National Program Office to date.

Montana State University Water Quality and Irrigation Water Management Web Site



<http://waterquality.montana.edu>

The MSU water quality and irrigation water management web site provides information to the public about the following water quality issues:

- Water Quality
- Home Owners Guide to Water Quality
- Water Quality Issues in Montana Agriculture
- Coal Bed Methane
- Irrigation Water Management

Water Quality

The water quality page provides information about surface water quality issues in Montana. Data sheets for water quality monitoring can be downloaded directly from this page. This page also includes:

- Small watershed management
- TMDL's
- Surface water quality monitoring
- Resource guides for 4-H leaders
- Professional paper abstracts
- Water quality links



THE DEPARTMENT OF LAND RESOURCES AND ENVIRONMENTAL SCIENCES
PRESENTS
WATER QUALITY & IRRIGATION MANAGEMENT



Water Quality Issues in Montana Agriculture

This page addresses water quality issues specific to Montana agriculture, including information on the following topics:

- Nitrates in groundwater
- Irrigation water quality
- Saline-sodic water management
- Nutrient management
- Pesticides
- Natural resource management

Home Owners Guide to Water Quality

The home owners guide to water quality features an interactive drinking water quality analysis. Lab results can be entered directly onto the web page and information about the water quality and water treatment is generated. This page also features:

- List of certified water testing labs in Montana
- Drinking water guidelines
- Professional paper abstracts
- Links to other resources about drinking water

Coal Bed Methane

Coal bed methane development is an emerging water quality issue. The focus of coal bed methane research in this program is the management and beneficial use of large quantities of saline-sodic water co-produced with the extraction of coal bed methane.

This page provides information about saline-sodic water and soil management issues and highlights about ongoing research conducted by MSU graduate and undergraduate students and faculty. The coal bed methane page is frequently updated to provide up-to-date information about management and beneficial use of coal bed methane product water.

Irrigation Water Management

This page offers comprehensive information about irrigation water management and crop production in Montana, including extension articles addressing:

- Drought
- Irrigation scheduling
- Irrigation tools
- PAM (polyacrylamide)
- Alfalfa production
- Wheat production
- General Crop Information