

# Heartland Regional Water Coordination Initiative

Iowa, Kansas, Missouri, Nebraska, and Region VII,  
U.S. EPA

## Review of Heartland website

Created for website coordinators meeting

CSREES National Water Conference

February 9, 2009

Susan Brown, Regional Liaison

[ssbrown@iastate.edu](mailto:ssbrown@iastate.edu)





[www.heartlandwq.iastate.edu](http://www.heartlandwq.iastate.edu)

**Iowa State University Extension Information Technology set up the Heartland Region website as a Content Management System.**

**Anyone with a password can create pages, upload documents and photos, insert links etc.**

**“Approval” rights can be assigned.**

**All issue team professional staff have access.**



Heartland Water Quality - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.heartlandwq.iastate.edu/

Applying knowledge to improve water quality

**Heartland**  
Regional Water Coordination Initiative  
Partnership of USDA CSREES & Land Grant Colleges and Universities

Regional Programs Animal Manure Management Community Involvement in Watershed Management Nutrient & Pesticide Management

search

Search Nutrient & Pesticide Management

## Regional Water Coordination Initiative

Region Home

News and Newsletters

Events

Project Leadership

Heartland Water Quality Sites

Regional Publications

Partners

### Region Home

The Heartland Regional Water Coordination Initiative is a partnership of Iowa State University, Kansas State University, the University of Missouri, and the University of Nebraska-Lincoln, the USDA Cooperative State Research, Education and Extension Service and U S EPA Region 7. The goal of the Heartland Initiative is to build institutional partnerships and increase the capacity of citizens, educators, agencies and community leaders to better address water quality concerns. Heartland programs make research, education and extension resources of the land grant universities more accessible to efforts on regional priority water issues. The Heartland Initiative is supported by the [USDA CSREES National Integrated Water Quality Program](#). See also [links to other National Program-sponsored projects in the Heartland](#).

Please visit the Priority Issues and Regional Web sites for further information and resources:

- [Heartland Initiative progress reports](#)
- [Animal Manure Management issue team](#)
- [Nutrient and Pesticide Management issue team](#)
- [Community Involvement in Watershed Management team](#)
- [Water Research and Extension in Heartland States](#)

Regional Publications:

[New Targeting of Watershed Management Practices for Water Quality Protection](#)

[New Pesticide Management for Water Quality Protection in the Midwest](#)

[Heartland publications on Use of Distillers Grains in Animal Feed](#)

[Regional Survey of Public Perceptions and Attitudes about Water](#) (Link to Region and State Reports)

EPA Region 7 KSTATE Kansas State University IOWA STATE UNIVERSITY University of Missouri Columbia Nebraska University of Lincoln

Regional Priority Issues pages within site

Home page edited as a simple text block for flexibility.



A cooperative program consisting of the USDA Cooperative State Research, Education, and Extension Service and the Land Grant Colleges and Universities.

- a Regionally-Based National Network -

The USDA is an equal opportunity provider and employer. Partners in the Heartland Regional Initiative are also equal opportunity providers and employers.

- This material is based upon work supported by the Cooperative State Research, Education and Extension Services, U.S. Department of Agriculture, under Agreement No. 2004-51130-02249.

Web site by Iowa State University Extension IT :: [Login](#)





## Regional Water Coordination Initiative

- Region Home
- News and Newsletters
- Events
- Project Leadership
- Heartland Water Quality Sites
- Regional Publications
- Partners

### Region Home

The Heartland Regional Water Coordination Initiative is a partnership of Iowa State University, Kansas State University, the University of Missouri, and the University of Nebraska-Lincoln, the USDA Cooperative State Research, Education and Extension Service and U S EPA Region 7. The goal of the Heartland Initiative is to build institutional partnerships and increase the capacity of citizens, educators, agencies and community leaders to better address water quality concerns. Heartland programs make research, education and extension resources of the land grant universities more accessible to efforts on regional priority water issues. The Heartland Initiative is supported by the [USDA CSREES National Integrated Water Quality Program](#). See also [links to other National Program-sponsored projects in the Heartland](#).

Please visit the Priority Issues and Regional Web sites for further information and resources:

- [Heartland Initiative progress reports](#)
- [Animal Manure Management issue team](#)
- [Nutrient and Pesticide Management issue team](#)
- [Community Involvement in Watershed Management team](#)
- [Water Research and Extension in Heartland States](#)

#### Regional Publications:

- [New Targeting of Watershed Management Practices for Water Quality Protection](#)
- [New Pesticide Management for Water Quality Protection in the Midwest](#)
- [Heartland publications on Use of Distillers Grains in Animal Feed](#)
- [Regional Survey of Public Perceptions and Attitudes about Water](#) (Link to Region and State Reports)



A cooperative program consisting of the USDA Cooperative State Research, Education, and Extension Service and the Land Grant Colleges and Universities.

- a Regionally-Based National Network -

The USDA is an equal opportunity provider and employer. Partners in the Heartland Regional Initiative are also equal opportunity providers and employers.

- This material is based upon work supported by the Cooperative State Research, Education and Extension Services, U.S. Department of Agriculture, under Agreement No. 2004-30-02249.

Web site by Iowa State University Extension IT :: [Login](#)

## Web Author Floating Console

[Switch To Live Site](#)

**Page Status:** Published

**Lock Status:** Not Locked

[Production Manager](#)

[Approval Assistant](#)

[Resource Manager](#)

[Preview](#)

[Create New Page](#)

[Create New Category](#)

[Add New Topic](#)

[Add New Resource](#)

[Create News Article](#)

[Create Event](#)

[Delete Category/Topic](#)

[Create Connected Page](#)

[Edit](#)

[Delete](#)

[Copy](#)

[Move](#)

[Page Properties](#)

[Revision History](#)

[View Revisions by Date](#)

[Revert Posting](#)

[Channel Properties](#)



A “manual” was developed for the site.

The screenshot shows a web browser window at the URL <http://www.heartlandwq.iastate.edu/ManureManagement>. The page features a header with the Heartland logo and navigation tabs for Regional Programs, Animal Manure Management, Community Involvement in Watershed Management, and Nutrient & Pesticide Management. The main content area is titled "Animal Manure Management" and includes an overview, objectives, and a list of categories on the right. A left-hand navigation menu is also visible.

**Edit/change this title with “Channel properties”**

**Edit/change this title with “page properties”**

**Edit/change this title by editing content of text box**

**Items in this blue bar are same on all Heartland pages and added directly from editing console menu**

**Items appearing in this right hand blue bar are different for each issue and are entered as CATEGORIES from editing console**



## Regional Water Coordination Initiative

- Region Home
- News and Newsletters
- Events
- Project Leadership
- Heartland Water Quality Sites
- Regional Publications
- Partners

### Region Home

The Heartland Regional Water Coordination Initiative is a partnership of Iowa State University, Kansas State University, the University of Missouri, and the University of Nebraska-Lincoln, the USDA Cooperative State Research, Education and Extension Service and U S EPA Region 7. The goal of the Heartland Initiative is to build institutional partnerships and increase the capacity of citizens, educators, agencies and community leaders to better address water quality concerns. Heartland programs make research, education and extension resources of the land grant universities more accessible to efforts on regional priority water issues. The Heartland Initiative is supported by the [USDA CSREES National Integrated Water Quality Program](#). See also [links to other National Program-sponsored projects in the Heartland](#).



Please visit the Priority Issues and Regional Web sites for further information and resources:

- [Heartland Initiative progress reports](#)
- [Animal Manure Management issue team](#)
- [Nutrient and Pesticide Management issue team](#)
- [Community Involvement in Watershed Management team](#)
- [Water Research and Extension in Heartland States](#)

Regional Publications:  
[New Targeting of Watershed Management Practices for Water Quality Protection](#)  
[New Pesticide Management for Water Quality Protection in the Midwest](#)  
[Heartland publications on Use of Distillers Grains in Animal Feed](#)  
[Regional Survey of Public Perceptions and Attitudes about Water](#) (Link to Region and State Reports)

Go to an issue site.



A cooperative program consisting of the USDA Cooperative State Research, Education, and Extension Service and the Land Grant Colleges and Universities.

- a Regionally-Based National Network -

The USDA is an equal opportunity provider and employer. Partners in the Heartland Regional Initiative are also equal opportunity providers and employers.

- This material is based upon work supported by the Cooperative State Research, Education and Extension Services, U.S. Department of Agriculture, under Agreement No. 2004-51130-02249.

Web site by Iowa State University Extension IT :: [Login](#)



Heartland Water Quality - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Links Customize Links Free AOL & Unlimited Internet Windows Windows Media

## Animal Manure Management

**Region Home**

**News and Newsletters**

**Events**

**Project Leadership**

**Heartland Water Quality Sites**

**Regional Publications**

**Partners**

### Animal Manure Management

Intensive animal agriculture in Heartland states poses significant risk to water uses and stress on aquatic ecosystems due to manure nutrients, microbial and other potential impairments.

The goals of the Heartland Animal Manure Management issue team include: assisting state regulatory agencies and federal partners within EPA Region 7 with integration of new federal concentrated animal feeding operation (CAFO) regulations and comprehensive nutrient management plan (CNMP) guidelines into state rules, and expanding the understanding of public and private sector livestock industry advisors concerning federal and state CAFO regulations and the tools to implement those regulations.

[Webcast for Extension Educators - "What is Manure Worth?" February 12, 2009.](#)

*New* [Heartland Narrative Nutrient Mgt. Plan Model 2008](#) see further details under Nutrient Management (right).

Please select [AMM NEWSLETTERS](#) to view current and past Animal Manure Management newsletters!

2006 Spring Workshop

2007 Spring Workshop

2008 Fall Workshop

Air Quality

Alternative Technologies

AMM Newsletters

Animal Feeding

Distillers Grain and Co-products

Land Application and Treatment

Manure Storage

Mortality Management

National Livestock and Poultry Environmental Learning Center

Nutrient Management

Pathogens

Record Keeping

Regulations

http://www.heartlandwq.iastate.edu/ManureManagement

Create category

Heartland Water Quality - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Links Customizable Links Free AOL & Unlimited Internet Windows Windows Media

Applying knowledge to improve water quality

**Heartland**  
Regional Water Coordination Initiative  
Partnership of USDA CSREES & Land Grant Colleges and Universities

Regional Programs Animal Manure Management Community Involvement in Watershed Management Management

Web Author Floa  
[Switch To Edit Site](#)

search  
Search Nutrient & Pesticide Management

## Animal Manure Management

Region Home

News and Newsletters

Events

Project Leadership

Heartland Water Quality Sites

Regional Publications

Partners

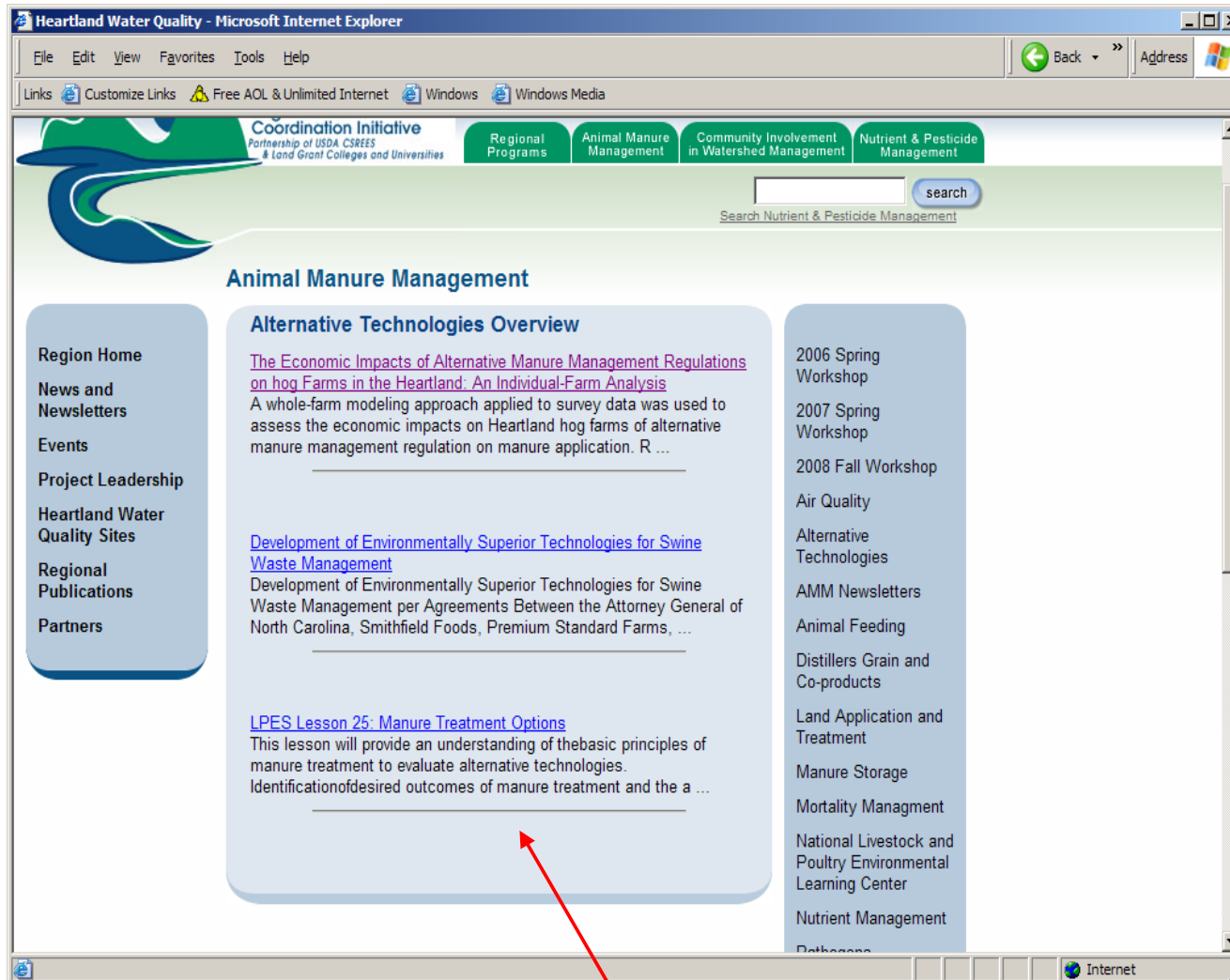
### Alternative Technologies

- [VTS Guidance Document](#)
- [Alternative Technologies Overview](#)
- [Biogas and Anaerobic Digestion](#)
- [Methane Digesters](#)
- [Solids Separation](#)
- [Vegetative Treatment Systems Resources](#)

- 2006 Spring Workshop
- 2007 Spring Workshop
- 2008 Fall Workshop
- Air Quality
- Alternative Technologies
- AMM Newsletters
- Animal Feeding
- Distillers Grain and Co-products
- Land Application and Treatment
- Manure Storage
- Mortality Management

Done, but with errors on page.

Create topic



Add resources to each topic.

## **CMS Advantages:**

**Ease of use similar to Word and Power Point.**

**Items can be posted/updated quickly by the person responsible for the information.**

**Can assist new projects by rapidly establishing a web presence.**

**Maintains a consistent “look” among issue teams for regional identity.**

**The “resources” entry screen is very flexible. Its format has been used to create a wide variety of records including:**

**Print and internet resources**

**Newsletters**

**Conference proceedings**

**“Database” of information on 406 projects**



## **CMS Difficulties/challenges:**

**Have to work out how to fit different kinds of information into a fixed system.**

**Need to maintain good communication among users for quality control.  
Oversight provided by Regional Liaison.**

**Still need programming support when issues are added or other problems arise.**

**The Heartland CMS was established when the project was first started in 2003.**

**There has been one major overhaul in 2005.**

**Overall the CMS has been cost-effective and practical in helping us keep a consistent regional web presence and accommodate changing issue priorities.**





*Land Grant Colleges' and Universities'*

**Heartland**

**Regional Water  
Coordination Initiative**

*A Partnership of USDA CSREES  
& the Land Grant System*

## Web Author Floating Console

[Switch To Live Site](#)

**Page Status:** Published

**Lock Status:** *Not Locked*

[Production Manager](#)

[Approval Assistant](#)

[Resource Manager](#)

[Preview](#)

[Create New Page](#)

[Create New Category](#)

[Add New Topic](#)

[Add New Resource](#)

[Create News Article](#)

[Create Event](#)

[Delete Category/Topic](#)

[Create Connected Page](#)

[Edit](#)

[Delete](#)

[Copy](#)

[Move](#)

[Page Properties](#)

[Revision History](#)

[View Revisions by Date](#)

[Revert Posting](#)

[Channel Properties](#)



## Regional Water Coordination Initiative

Region Home  
 News and Newsletters

Events  
 Project Leadership

Heartland Water Quality Sites

Regional Publications

Partners

### Region Home

The Heartland Regional Water Coordination Initiative is a partnership of Iowa State University, Kansas State University, the University of Missouri, and the University of Nebraska-Lincoln, the USDA Cooperative State Research, Education and Extension Service and U S EPA Region 7. The goal of the Heartland Initiative is to build institutional partnerships and increase the capacity of citizens, educators, agencies and community leaders to better address water quality concerns. Heartland programs make research, education and extension resources of the land grant universities more accessible to efforts on regional priority water issues. The Heartland Initiative is supported by the [USDA CSREES National Integrated Water Quality Program](#). See also [links to other National Program-sponsored projects in the Heartland](#).



Please visit the Priority Issues and Regional Web sites for further information and resources:

- [Heartland Initiative progress reports](#)
- [Animal Manure Management issue team](#)
- [Nutrient and Pesticide Management issue team](#)
- [Community Involvement in Watershed Management team](#)
- [Water Research and Extension in Heartland States](#)

#### Regional Publications:

- [New Targeting of Watershed Management Practices for Water Quality Protection](#)
- [New Pesticide Management for Water Quality Protection in the Midwest](#)
- [Heartland publications on Use of Distillers Grains in Animal Feed](#)
- [Regional Survey of Public Perceptions and Attitudes about Water](#) (Link to Region and State Reports)



A cooperative program consisting of the USDA Cooperative State Research, Education, and Extension Service and the Land Grant Colleges and Universities.

- a Regionally-Based National Network -

The USDA is an equal opportunity provider and employer. Partners in the Heartland Regional Initiative are also equal opportunity providers and employers.

- This material is based upon work supported by the Cooperative State Research, Education and Extension Services, U.S. Department of Agriculture, under Agreement No. 2004-51130-02249.

Web site by Iowa State University Extension IT :: [Login](#)





*Applying knowledge to improve water quality*

# Heartland

## Regional Water Coordination Initiative

*A Partnership of USDA CSREES  
& Land Grant Colleges and Universities*



**IOWA STATE  
UNIVERSITY**



**M** University of  
Missouri Columbia

UNIVERSITY OF  
**Nebraska**  
Lincoln

