

# Distribution of Research-Based Nutrient and Pesticide Management Information

[www.oznet.ksu.edu/waterquality](http://www.oznet.ksu.edu/waterquality)



2004 Recipient of the  
*American Society of Agronomy's*  
Website Educational Materials  
Award of Excellence

**SITUATION:** Runoff of agricultural nutrients and pesticides continues to be a major source of contamination in surface and ground waters throughout the Midwest. The Heartland Nutrient and Pesticide Management (NPM) Team; led by faculty from Kansas State University, and the University of Nebraska, has developed a website to improve knowledge and promote awareness of nutrient and pesticide water quality issues throughout the Heartland Region.

## Website Special Features:



### ► Research Brief Summaries:

- Brief Topics: Nitrogen Concerns for Our Groundwater, Nitrogen Concerns for Our Surface Water, Phosphorus and Our Water, Pesticides and Our Water, Sediment and Surface Water, and Best Management Practices
- Each Brief includes a Research Summary, List of Educational Resources, List of Extension Publications, and a List of Scientific Research Articles
- Summaries are provided by water quality professionals from IA, KS, MO, and NE.

### ► Workshop and Event Materials:

- A Summary of the NPM Team's Workshops and Events
- Workshop Information Sheets and Agendas
- A list of participants and speakers, including email addresses to encourage further collaboration
- Speaker's presentations can be viewed on-line through power point presentations.

### ► GIS and Spatial Resources for Nutrient Planning:

- Links to information on GIS and it's effectiveness
- Spatial Data Resources for IA, KS, MO, and NE including links to NRCS technical resources, and mapping websites.

### ► Regional and NPM Team Reports:

- Current Research Information System (CRIS) Reports available for IA, KS, MO, and NE
- NPM Team Fact Sheets contain objectives, accomplishments, and future NPM team plans. These Fact Sheets are available in PDF form for easy printing and distribution.
- A BMP publication series will be available upon completion.

**OBJECTIVE:** The NPM website is designed to promote the sharing of research-based information between universities in the Heartland Region and to provide a means of delivering that information to various agencies as well as the public. Via the website, the team will continue to assess pollutants and encourage the implementation of best management practices (BMPs).

## The Website Offers...

- Information regarding the effectiveness of agricultural best management practices (BMPs).
- Materials – such as fact sheets, workshop notebooks (in PDF format), and power point presentations to be used for educational purposes.
- TMDL information and resources.
- Links to regional and national water quality sites.

**INTEGRATION of RESEARCH, TEACHING, & EXTENSION:** The website features research and publications from Iowa State University, Kansas State University, the University of Missouri, and the University of Nebraska. A list of workshops and/or educational events is presented on the website, along with presentations and materials developed from previous events.

**PARTNERSHIPS:** The major partnership that supports this website is that of Kansas State University, Iowa State University, the University of Missouri and the University of Nebraska. Providing an accessible mode of information supports partnerships with county agents and landowners. Significant effort is directed toward enhancing coordination with various agencies within the Heartland Region, such as ARS, DNR, Conservation Districts, NRCS, and the USEPA.

Drop Down Menus containing Research Brief Summaries and Resources

Site Features Two Dynamic Search Mechanisms:

Search Engine: Extension Publications available from the entire Heartland Region. Search by author, keyword, location, subject or title.

State Search: Search a comprehensive list of resources (publications, websites, federal and state agencies, etc.) by state.

- Heartland Nutrient and Pesticide Management Team**
- Kansas State University**
- Dan Devlin [ddevlin@oznet.ksu.edu](mailto:ddevlin@oznet.ksu.edu)
  - Charles Barden [cbarden@oznet.ksu.edu](mailto:cbarden@oznet.ksu.edu)
  - Amanda Schielke [aschielk@ksu.edu](mailto:aschielk@ksu.edu)
- University of Nebraska**
- Charles Wortmann [cwortmann2@unl.edu](mailto:cwortmann2@unl.edu)
  - Jamie Benning [boehm2@unl.edu](mailto:boehm2@unl.edu)



Sample pages from the site.

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**RESULTS:** The NPM website has proven to be an economical and efficient source of research-based information. The website serves as a hub for information sharing throughout the Heartland Region. Summaries of integrated resources and the search publications feature aid the website in educating and encouraging the use of BMPs to improve water quality.

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