



Applying knowledge to improve water quality

Heartland

Regional Water
Coordination Initiative

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



Heartland Nutrient & Pesticide Management Web Site:

www.oznet.ksu.edu/waterquality

Nebraska City, NE ▪ June 5 - 7 , 2007

Our New Look...2007



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Nutrient and Pesticide Management (NPM)

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Overview

Non-point pollution from agriculture is the principal source of water quality impairment throughout the Midwestern states. Nutrients and pesticides applied to agricultural lands are considered to be non-point source pollutants and may have adverse effects on surface and ground waters if applied improperly or in excess of crop needs. These detrimental effects include potential contamination of drinking water supplies and recreation waters, imposing health risks on humans, wildlife, and aquatic ecosystems.

The Heartland Nutrient and Pesticide Management (NPM) team seeks to facilitate multi-state and inter-agency communication and education to promote the use of agricultural best management practices (BMPs) that aid in reducing non-point source pollution. Increasing communication and sharing of research findings throughout the region promotes regional collaboration on BMP implementation for existing and future projects as well as reducing the duplication of research efforts. The efficient development, evaluation and dissemination of this research-based information on nitrogen, phosphorus and pesticide priority pollutants will also contribute to the implementation of TMDLs and on-farm nutrient management plans.

Objectives

Improve the availability of technical and educational resources on Nutrient and

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WEB SITE FEATURES

➤ Agency Links

USDA Agency Links

- National
- By State
 - NRCS
 - Extension
 - ARS, etc.

EPA Links, National & Regional

USGS Links

State Agency Links

- Dept. of Agriculture
- Dept. of Health & Environment
- Dept. of Natural Resources
- Dept. of Environmental Quality

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WEB SITE FEATURES

➤ Events & Workshops

- ❑ NPM Events
 - Webpage for each Roundtable & Workshop containing:
 - Summary of outcomes
 - Final Agenda
 - List of Participants & Contact information
 - Presentations in pdf format (if approved by presenter)
 - Photo Gallery
 - Training Events sponsored by NPM
- ❑ Link to Heartland Regional Activities & Calendar
- ❑ CSREES National Conference Info.

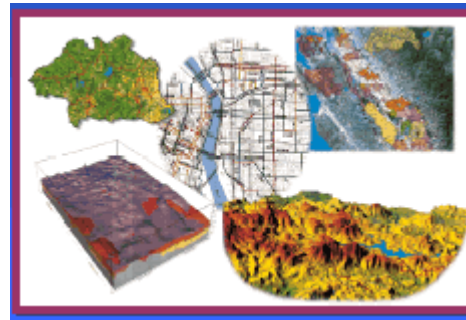
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WEB SITE FEATURES

➤ GIS Resources

- What is GIS?
- Web Mapping Sites
- GIS in Region 7
 - Iowa
 - Kansas
 - Missouri
 - Nebraska



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➤ Glossary

- Pesticide Roundtable, 2006 – Found need for a glossary to standardize terms throughout the region
- Regional and State Acronyms listed
- Regional Terminology & Definitions listed
 - Link to EPA Terminology List

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WEB SITE FEATURES

➤ NPM Contacts

Co-Project Directors

- Dan Devlin, KSU
- Charles Barden , KSU
- Charles Wortmann, UN-L

Project Staff

- Amanda Schielke, KSU
- Teshome Regassa, UN-L



Steering Committee Members

- All Land grants in Region
- State and Federal Agency
- EPA Region 7 Members

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Regional Resources

- **Publications and Reports**
- **Research Resources**
- **Extension Resources**
- **Education Resources**

Best Management Practices

- **Effectiveness**
- **Water Quality Issues**
- **Regulations/Programs**

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➤ Publications and Reports

☐ Heartland Publications

- Team Information Sheets
- Regional Publications
 - NPM Regional Pubs: P, N, Pesticides (when completed)

☐ Education & Research Publications and libraries

- Iowa Extension
- Kansas Extension
- Missouri Extension
- Nebraska Extension

☐ CRIS (Current Research Info. System) Reports

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➤ Information Briefs

- Topics
- Sub-topics

Pages include:

1. Research Brief
2. Education Resources
3. Extension Publications
4. Scientific Review Articles

- Updated May 2007

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Reducing P Contamination of Surface Water

Water Quality & Agricultural P Management

Water Quality: P Transport

Water Quality: Nutrient Criteria for P

www.oznet.ksu.edu/waterquality





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Search Engine

- Keyword
- Author
- Title
- Or by state

Search by State

- Comprehensive list of resources
 - Extension Pubs
 - State Agency Links

Free Text

For:

In: Heartland Region

[Click here to browse publications by state.](#)

Search Nebraska Resources

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Corrections, Additions, Recommendations...

- Call (785)532-0124

or

- Email aschielk@ksu.edu

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Summary of NPM Goals and Objectives

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QUESTIONS??





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