

**Heartland Region Pesticide Best Management  
Practices Workshop:  
Protecting Surface and Ground Water  
Arbor Day Farm Lied Lodge and Convention Center,  
Nebraska City, NE  
June 6 - 8, 2006**

**Intended Audience**

1. University and ARS research and extension faculty.
2. State and federal agency personnel.
3. Resource managers and advisors.

**Workshop Participant Outcomes**

Participants will understand:

1. Pesticide/water quality issues in state/region.
2. Emerging issues in pesticide effects on health and environment.
3. Pesticide best management practices to protect ground and surface water.
4. New approaches to targeting implementation of best management practices.
5. State of the art knowledge on monitoring and how to collect and handle samples.

**Agenda**

**June 6**

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|------------|--|--|
| 12:00 p.m. | Lunch- Timber Dining Room  |  |
|            | General Session- West Assembly A & B   |  |
| 1:00 p.m.  | Introductions<br>Heartland Project Mission and Objectives<br>Expected Outcomes of Workshop                                   | Dan Devlin<br>Kansas State University                            |
| 1:30 p.m.  | Overview of Pesticide/Water Quality Current<br>and Emerging Issues in Region 7   | Jamie Green<br>EPA Region 7<br>Kyle Hoagland<br>UNL Water Center |
| 2:45 p.m.  | Understanding Pesticide Leaching and Runoff  | Pat Shea<br>University of Nebraska                               |
| 3:15 p.m.  | Break  |  |
| 3:35 p.m.  | Small Group Discussion I<br>Topic: What current and future issues are you<br>facing related to pesticides and water quality? |  |
| 4:15 p.m.  | Discussion Group I Reports   |  |

4:45 p.m. Nutrient and Pesticide Management Regional Website Jamie Benning  
University of Nebraska

6:00 p.m. Dinner- Terrace Room

### June 7

7:00 a.m. Breakfast- Timber Dining Room

#### *Best Management Practices Research and Recommendations*

8:00 a.m. Nebraska: recent research findings, issues and BMPs Mark Bernards,  
University of Nebraska

8:30 a.m. Kansas: recent research findings, issues and BMPs Dan Devlin  
Kansas State University

9:00 a.m. Missouri: recent research findings, issues and BMPs Reid Smeda,  
University of Missouri

9:30 a.m. Iowa: recent research findings, issues and BMPs Jim Ellerhoff  
Iowa Department of Agriculture  
and Land Stewardship

10:00 a.m. Research Issues Discussion

10:10 a.m. Break

10:30 a.m. Issues in Surface Water Monitoring

Nebraska's NRD water sampling program:  
methods & procedures

Dick Ehrman,  
Nebraska NARD

Experiences with monitoring a Multi-State Watershed

Philip Barnes  
Kansas State University

11:30 p.m. Lunch- Timber Dining Room

12:30 p.m. Producer Adoption of Best Management Practices Tom Franti  
University of Nebraska  
Dan Devlin  
Kansas State University

1:30 p.m. Small Group Discussion II  
Topic: What challenges and obstacles do you see for  
the adoption of pesticide BMPs by agricultural producers?  
How might these be addressed?

2:30 p.m. Discussion Group II Reports

2:50 p.m. Break

3:15 p.m. Portable/On-site Sample Analysis David Hage

3:45 p.m.	Demonstration of Water Sampling Surface and Ground Water Sampling and Analysis	University of Nebraska  Charlie Pierce Nemaha NRD
	Automated Sampling Equipment	Philip Barnes Kansas State University
4:45 p.m.	Perimeter Tour of Arbor Day Farm	
6:00 p.m.	Dinner- Terrace Room	

**June 8**

7:00 a.m.	Breakfast- Timber Dining Room	
	<i>Targeting Best Management Practices</i>	
8:00 a.m.	Targeting Best Management Practices in Missouri	Bob Lerch USDA-ARS
8:35 a.m.	Targeting Best Management Practices in a Nebraska Watershed	Maribeth Milner and Pat Shea University of Nebraska
9:10 a.m.	Panel Discussion on Targeting Best Management Practice Implementation	Daryl Anderson Little Blue NRD Lyle Frees Kansas NRCS Kyle Mankin Kansas State University
10:10 a.m.	Break	
10:10 a.m.	Experiences in Targeting BMPs in a watershed; integration of spatial information with local knowledge	Lyle Frees Kansas NRCS
10:30 a.m.	Small Group Discussion III Topic: Moving From Diffuse Implementation to Targeted Implementation by State	
11:15 a.m.	Discussion Group III Reports	
11:45 a.m.	Closing Remarks	
12:00 p.m.	Lunch	

**Workshop Finished**