

Heartland Regional Water Resources Workshop

Lied Lodge & Conference Center • Nebraska City, NE

June 9-11, 2009

Topics

1. Cost Effectiveness of Best Management Practices
2. Conversion of CRP to Crop Production

Intended Audience

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

Workshop Participant Outcomes

Participants will understand:

1. Cost effectiveness tools available to evaluate BMPs within the region
2. Economics of conservation practices
3. Issues and methods to convert CRP to crop or pasture production
4. Current demand for bio-based products for fuel

Agenda

Tuesday, June 9th

Conference Room – *West C Corridor*

Please check in to receive your name badge, you will need it for lunch.

12:00pm Lunch – *Provided in the Timber Dining Room*

Topic 1 - Cost Effectiveness of Best Management Practices

- 1:00 Introductions – *Dan Devlin, Kansas State University*
Heartland Project Mission and Objectives
Expected Outcomes of the Workshop
Why Do We Need to Be Concerned About Cost Effectiveness?
- 1:35 Using a BMP Auction for Targeting in Kansas – *Josh Roe, Kansas State University*
- 2:15 Evaluating Cost Effectiveness at the Field Level – *Dan Ginting, USGS, Lincoln, Nebraska*
- 2:55 Break
- 3:10 Developing and Implementing a Cost Effective BMP Implementation Plan in an Iowa Watershed
– *Chad Ingels, Iowa State University and Two Members of the Watershed Council: Jeff Pape, Hewit Creek Watershed and Scott Bruns, Coldwater-Palmer Watershed*

- 3:50 Economics and Water Quality Effects of Installing Conservation Practices – *Michael Langemeier, Kansas State University*
- 4:30 Streamflow, Sediment, and Nutrient Simulation of the Bitterroot Watershed Using SWAT - *Michael Van Liew, Montana DEQ*
- 6:00 Dinner – *Timber Dining Room*
- 7:00 Hands-On Training Workshops (pick one and bring your own computer):
- West C Corridor**
- 1) Soil-Erosion Economic Decision Support Tool – *Dan Ginting, USGS, Nebraska*
- West A**
- 2) EPA Region 5 Load Reduction Model – *Matt Unruh, Kansas Department of Health and Environment*
- West B**
- 3) RUSLE 2 Erosion Model - *Lyle Frees, Kansas NRCS*

Wednesday, June 10th

- 6:30 - 8:00 am Breakfast – *Timber Dining Room*
- 8:00 Hypoxia - Improving the system in Iowa: Costs and Needs – *Jim Baker, Iowa State University, Professor Emeritus*
- 8:50 Adoption of BMPs for Animal Manure Management – *Laura McCann, University of Missouri*
- 9:20 Exploring Economically and Environmentally Viable Northeastern Dairy Farm Strategies – *Tamie Veith, USDA-ARS* – (Offsite, using Adobe Acrobat)
- 9:50 Break
- 10:05 Breakout Session, 4 groups - topics to be determined
- Stein Corridor
 - Stein C
 - West A
 - West B
 - West C Corridor (Conference room)
- 11:05 Re-Convene to Conference Room and Report and Discussion
- 11:45 Lunch – *Timber Dining Room*

Reconvene in main conference room, West C Corridor.

Topic 2 - Conversion of CRP to Crop Production

- 1:00 Introductions – *Tom Franti, University of Nebraska*
- 1:10 Nutrient Management and Production Issues with Conversion from CRP to Cropland – *Charles Shapiro, University of Nebraska*
- 1:40 Soil Quality and Conservation Issues with Conversion of CRP to Production – *John Gilley, USDA-ARS, Lincoln, NE*
- 2:10 CRP Conversion to Cropland – *David Dukes, Iowa No-till Farmer and Paul Hay, UNL Extension*
- 2:50 CRP Conversion to Pasture – *Bruce Anderson, University of Nebraska, and NE Producers for panel*
- 3:20 Regional Demand for Bio-based production – *Chad Hart, Iowa State University*
- 3:45 Closing Comments, Break To Get Ready For Field Tours
- 4:00 Outdoor Activies: **SEE HANDOUT**
- 6:30 Picnic Dinner at the Historic Barns

Thursday, June 11th

- 6:30 - 8:00 am Breakfast – *Timber Dining Room*
- 8:00 CRP Conversion to Cellulosic Biomass Production – *Ken Vogel, USDA-ARS, Lincoln, NE*
- 8:40 CRP Conversion in Arid Regions – *Alan Schlegel, Kansas State University*
- 9:20 CRP Conversion in Humid Regions – *Paul Jasa, University of Nebraska Extension*
- 9:50 Regional Demand for Cellulosic Production for Bioenergy – *Melvin Brees, FAPRI, University of Missouri*
- 10:20 Breakout Session, 4 groups - topics to be determined
- Stein Corridor
 - Stein C
 - West A
 - West B
 - West C Corridor (Conference room)
- 11:05 Re-Convene to Conference Room and Report and Discussion
- 11:45 Finish Workshop

*Thank you for attending this Workshop.
We wish you safe travels.*