

# Boone River Watershed



# Boone River Watershed

- Performance-based & Locally-lead
- Balance Agricultural and Environmental Goals
- In-field Demos of Nitrogen Use Efficiency
- Biological Indicators of River Health
- Create Better Understanding of Environmental Goals within Local Community
- Find Out What Farmers Can Do Economically

# The Boone River is Recognized Nationally as a High Quality Natural Area



# Water Quality Concerns and Treatment Strategies

- Nutrients and Sediment
- Stream Flow
  
- Water Management
- Wetlands Development
- Nutrient Management
- Perennial and/or Cover Crops

# Major Project Components

- Support of the Newly Formed Boone River Watershed Association
- Watershed Assessment and Planning
- Biological Assessment and Aquatic Resource Management Planning
- Producer On-Farm Nutrient Trials and Demonstrations

# Components Continued

- Boone River Watershed Economic and Environmental Modeling Efforts
- Wetland Assessments for Water Quality, Mitigation and Drainage Management
- Drainage Water Management Demonstration and Evaluation Project
- Landowner value survey in the works.

# Center for Agriculture and Rural Development (CARD) Economic Analysis

- Analysis driven by local stakeholders.
- Tillage and crop/rotation choice as well as structural practices such as wetlands.
- Economic Assessment of Land Use Changes, Treatment Options and Environmental Impacts

# Planning Strategies

- Identify Concerns and Local Interests
- Develop Alternatives for Land Treatment and Stream Protection
- Coordinate the Creation of Local Watershed Leadership and Capacity
- Demonstrate Alternatives and Identify Financial and Technical Resources
- Monitor and Evaluate Results
- Plan and Implement Projects as Appropriate

# Project Support

- Iowa Soybean Association
- Prairie Rivers of Iowa RC&D
- The Nature Conservancy
- Leopold Center for Sustainable Agriculture
- Iowa State University Center for Agriculture & Rural Development
- Natural Resource Conservation Service & Local SWCDs
- Iowa Department of Natural Resources
- Prairie Winds RC&D

## Additional Financial Support:

- U.S. Forest Service
- Land Care USA
- Altria
- U.S. Environmental Protection Agency.

Over \$1,000,000 in financial support leveraged to date