

USDA AWARDS MORE THAN \$14 MILLION IN WATER RESOURCES GRANTS

The USDA is awarding more than \$14 million in grants to universities and private enterprises nationwide to address water supply and water quality issues by integrating applied research, classroom education and outreach to farmers, ranchers and homeowners. The grants are administered by the USDA's Cooperative State Research, Education and Extension Service (CSREES).

The following institutions received grants: National Integrated Water Quality Program

1. **Tennessee State University, \$320,000.** "Facilitation of 1890 Institutions' Water Resource Education, Extension and Research Efforts."
2. **University of Nebraska-Lincoln, \$300,000.** "A National Learning Center for Animal Agricultural Water Quality Issues."
3. **University of Michigan-Ann Arbor, \$300,000.** "Agriculture, Land Use and Water Quality Reporting and Evaluation by Great Lakes Radio Consortium."
4. **Rutgers Cooperative Extension, \$550,000.** "Regional Water Quality Coordination Project - A Proposal for Regional Coordination within US Environmental Protection Agency Region 2."
5. **State University of New York College at Brockport, \$590,000.** "Experimental Manipulation of Entire Watersheds through BMPs: Nutrient Fluxes, Fate, Transport and Biotic Responses."
6. **Ohio State University, \$590,000.** "Landscape Scale Disturbances in an Agroecosystem: Impacts on Aquatic and Riparian Environments in the Sugar Creek Watershed, Ohio."
7. **Iowa State University, \$590,000.** "Water Resource Degradation in the Boone Watershed: Integrating Stakeholder Knowledge and Preferences with Economic and Watershed Models."
8. **University of Missouri, \$215,000.** "Barriers to Adoption of Nutrient Management Strategies by Animal Feeding Operations."
9. **Kansas State University, \$585,000.** "Measuring Success of a Total Maximum Daily Load Implementation Plan: Land, Stream and Economic Responses to Targeted Stakeholder Actions."
10. **University of Florida, \$238,000.** "Improving Water Quality at the Watershed Level by Targeting High Return Stakeholders."

11. **Purdue University, \$350,000.** "EPINet - Environmental Pathogen Information Network."
12. **Colorado State University, \$592,000.** "Northern Plains and Mountains – Region VIII."
13. **Texas A&M University, \$1,251,000.** "Southern Region (Regions IV and VI)."
14. **Iowa State University, \$939,312.** "Heartland Region - Region VII."
15. **University of Wisconsin, \$608,000.** "Great Lakes - Region V."
16. **University of Idaho, \$592,000.** "Pacific Northwest - Region X."
17. **University of Rhode Island, \$613,000.** "Northeast - Region I."
18. **University of Maryland, \$609,000.** "Mid-Atlantic - Region III."
19. **University of Arizona, \$575,000.** "Southwest and Islands - Region IX."

National Research Initiative (NRI) Watershed Processes and Water Resources Program

1. **University of Maryland, \$493,000.** "Effects of Agricultural Conservation Practices on Nitrate Losses from Croplands of the Choptank River Basin."
2. **University of Illinois - Urbana-Champaign, \$493,000.** "Antibiotic Resistance Genes and Residues in Water and Soil in Close Proximity to Swine Production Facilities."
3. **Cornell University, \$490,000.** "Visualization and Quantification of Bacterial Transport in Sand Under Steady and Transient Flow."
4. **Oregon State University, \$465,000.** "Impacts of Irrigation Diversions on River Ecosystems."
7. **University of Mississippi, \$330,000.** "Quantifying the Importance of Lateral Subsurface Flow on Sediment Load to Streams."
8. **Eco-metrics, Inc., \$325,000.** "River Ecosystem Resilience Synergies of Excess Sediment and Nitrogen: Degraded Hyporheic Dynamics and Compromised River Ecosystem Resilience."
9. **University of Alaska Southeast, \$295,000.** "Salmon and Wetland Influences on Carbon and Nutrient Cycling in Forested Watersheds."
10. **Ohio State University, \$176,000.** "Nitrogen Removal in Agricultural Watersheds: Ecological Interactions Associated with Forested and Agricultural Headwater Streams."

11. **Iowa State University, \$115,000.** "Influence of Landscape - Weather Interactions on Biological Water Quality in Agricultural Watersheds."

12. **University of Rhode Island, \$95,000.** "Evaluating In-Stream Denitrification: Pilot Studies and Site Characterization."

13. **State University of New York, College of Environmental Science and Forestry, \$87,000.** "Improving the Estimation of Low Stream Flow Statistics at Ungauged River Sites."

14. **Montclair State University (New Jersey), \$47,000.** "Is Urbanization of Rural Water-Supply Watershed a Threat to Water Availability During Dry Weather in New Jersey? A Historical, Empirical Approach."