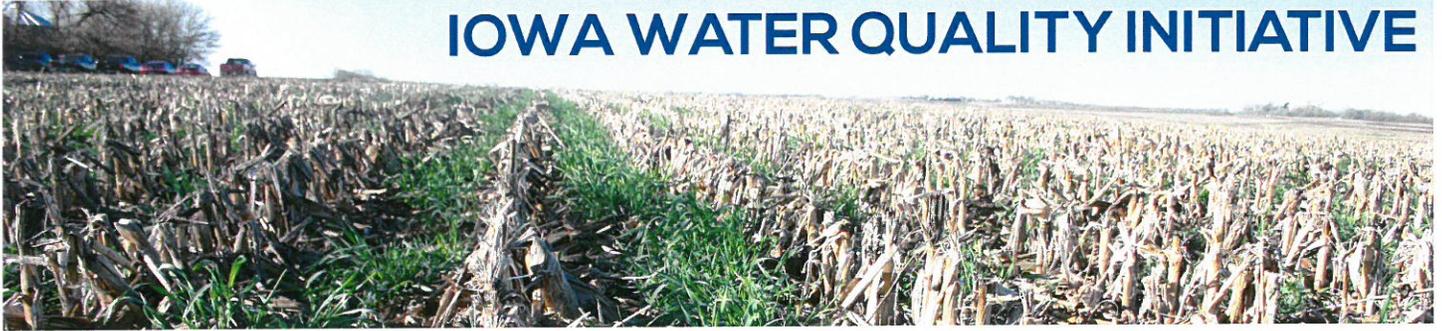


IOWA WATER QUALITY INITIATIVE



The Water Quality Initiative was established during the 2013 legislative session to assist the implementation of the Nutrient Reduction Strategy which provides a road map to achieve a 45% reduction in nitrogen and phosphorus losses to our waters using an integrated approach of point (cities and industries) and non-point sources (farms and residential areas).

The Water Quality Initiative seeks to harness the collective ability of both private and public resources and organizations to rally around the Nutrient Reduction Strategy to reduce nutrient loss and improve water quality.

STATEWIDE COST SHARE FOR WATER QUALITY FARM PRACTICES



More than \$7.5 million has been made available statewide for farmers to try a new practice on their farm in the past three years. These funds are matched or exceeded by all farmers.



In three years, nearly 2,500 first-time users have installed a practice on their farm, totaling approx. 240,000 acres.



Practices offered are Cover Crops, No-till/Strip-till, and N Inhibitor when applying fertilizer.

WATER QUALITY DEMONSTRATION PROJECTS

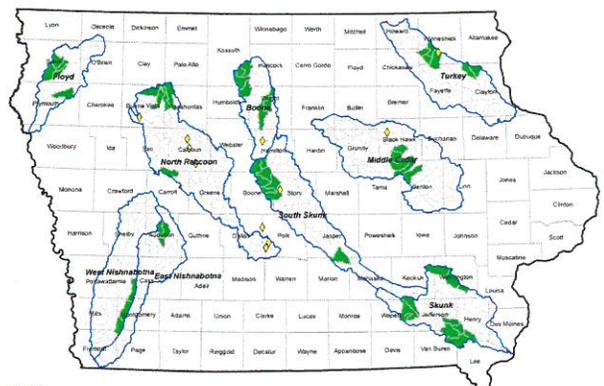


Iowa Department of Agriculture and Land Stewardship is currently funding 29 projects:

- 16** watershed demonstration projects,
- 4** practice demonstration projects, and
- 9** urban conservation projects.

The 29 demonstration projects are designed to help implement and demonstrate the effectiveness and adaptability of conservation practices highlighted in the Iowa Nutrient Reduction Strategy.

The 16 targeted Water Quality Initiative demonstration watershed projects focus on practice demonstration and implementation in smaller watersheds in the state. The state has provided \$7.4 million in funding to support these projects and has leveraged an additional \$11.7 million in additional funding from landowners and 95 partner organizations.



Legend
 Yellow diamond: Urban Conservation Demonstration Project Communities
 White outline: Designated Priority HUC8 Watersheds
 Green: Demonstration Watershed Projects

4 projects are focused on expanding the use and innovative delivery of water quality practices identified in the Iowa Nutrient Reduction Strategy. These projects will receive \$3.06 million in funding and be matched by \$2.59 million from farmers and partner organizations.

9 Urban Conservation Water Quality Initiative Demonstration Projects have also been funded that will focus on conservation measures in towns and cities that capture and allow stormwater to be absorbed into the ground. The state has awarded \$655,194 in funding and partners and landowners participating in the projects will provide \$2.43 million.

Research



Researching new techniques & monitoring progress

The Nutrient Research Center was formed to evaluate the performance of current and emerging nutrient management practices and help develop new practices.

www.nutrientstrategy.iastate.edu/center

City & Industry

The point source portion of the Nutrient Reduction Strategy established a process to achieve significant reductions in the amounts of nitrogen and phosphorus discharged to Iowa's rivers and streams by the largest industrial and municipal wastewater treatment plants.

Major point sources will be required to assess the feasibility and reasonableness of reducing the amounts of nitrogen and phosphorus discharged to Iowa surface waters.

Courtesy of Iowa Department of Natural Resources

Conservation Practices

Practices include but not limited to...



Cover Crops



Conservation Tillage



Bioreactor



Nutrient Stewardship



Saturated Buffer



Conservation Cover



Buffer

FARM CONSERVATION PRACTICES

www.cleanwateriowa.org/practices



Wetland

RESIDENTIAL & URBAN CONSERVATION PRACTICES

www.cleanwateriowa.org/urban



Bioretention Cell

FY16 Funding

- \$9.6 million was appropriated to support the Iowa Water Quality Initiative this year which will allow the Iowa Department of Agriculture and Land Stewardship to continue to offer cost share statewide to farmers trying new water quality practices, continue work in targeted watersheds to achieve measurable water quality improvements, expand urban conservation efforts, and develop new programs to help engage all Iowans in improving water quality.
- \$1.35 million was provided to the Nutrient Research Center at Iowa State University.
- \$1.23 million was appropriated to Iowa State University for a three-year pilot project to quantify infield activities focused on improving water quality.
- \$450,000 was appropriated to the Center for Nutrient Water Monitoring Network Technology and Equipment.



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