

LEGISLATIVE UPDATE ON IOWA NUTRIENT RESEARCH CENTER: *AN OVERVIEW*

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IOWA STATE
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Iowa Nutrient Reduction Strategy (NRS)

The science assessment identified N & P reduction practices in three categories — management practices, land use, and edge-of-field.

Management practices involve nutrient application rate, timing, and method, plus use of cover crops and reduced tillage.

Land use practices include perennial energy crops, extended rotations, grazed pastures, and land retirement.

Edge-of-field practices involve drainage water management, wetlands, bioreactors, buffers, terraces, and sediment control.



The Iowa Nutrient Reduction Strategy was developed by:



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IOWA NUTRIENT RESEARCH CENTER

- The ***Iowa Nutrient Research Center*** was established by the Iowa Board of Regents in response to legislation passed by the Iowa Legislature in 2013.
- The center pursues science-based approaches to evaluating the performance of current and emerging nutrient management practices, and providing recommendations on implementing the practices and developing new NRS.



IOWA NUTRIENT RESEARCH CENTER

Advisory Council

The original legislation identified members of the Center's advisory council.

- ✓ Iowa Secretary of Agriculture
- ✓ IDALS Division of Soil Conservation
- ✓ Iowa Department of Natural Resources
- ✓ Nutrient researcher, University of Northern Iowa
- ✓ Nutrient researcher, State Association of Private Colleges
- ✓ Hydroscience and Engineering (IIHR), University of Iowa
- ✓ Vice President, Iowa State University Extension and Outreach
- ✓ Dean, College of Agriculture and Life Sciences, Iowa State University



IOWA NUTRIENT REDUCTION STRATEGY

IOWA NUTRIENT RESEARCH CENTER

Management Practices

Awards		
FY14	-	2
FY15	-	2
FY16	-	6
FY17	-	2
FY18	-	4
TOTAL	-	16

Land Use Practices

Awards		
FY14	-	1
FY15	-	3
FY16	-	3
FY17	-	1
FY18	-	3
TOTAL	-	11

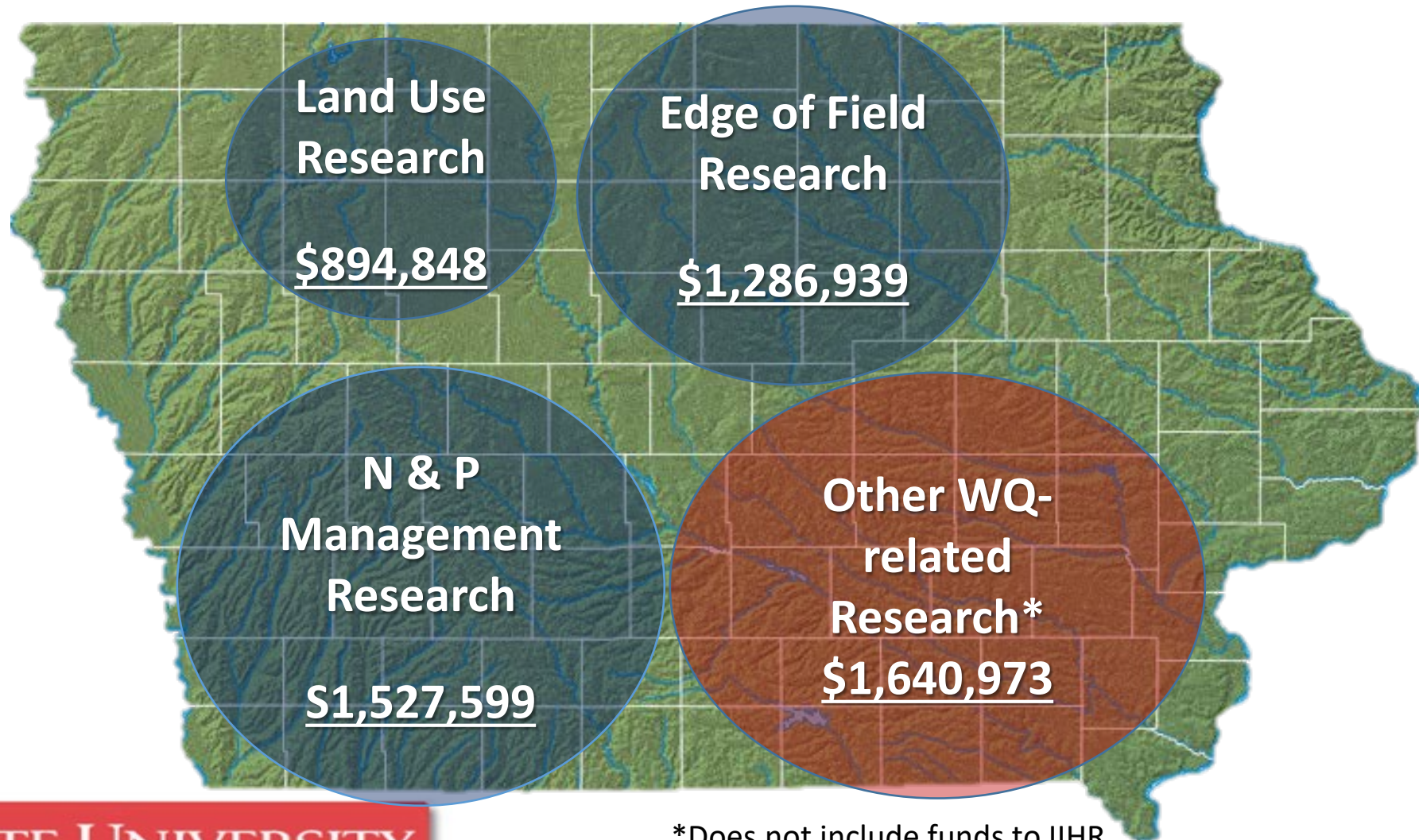
Edge-of-Field Practices

Awards		
FY14	-	3
FY15	-	2
FY16	-	3
FY17	-	5
FY18	-	2
TOTAL	-	15

Non-Categorized Research

Awards*		
FY14	-	3
FY15	-	3
FY16	-	2
FY17	-	3
FY18	-	3
TOTAL	-	14

Research Category Dollar Awards



Research Dollar Amount Overview

Year		<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	TOTAL
Allocation		\$ 1,500,000	\$ 1,325,000	\$ 1,325,000	\$ 1,325,000	\$ 501,897*		\$5,976,897
Iowa	2014	\$528,332	\$0					\$528,332
UNI		\$50,000	\$35,000					\$85,000
ISU		\$897,438	\$450,540					\$1,347,978
Iowa	2015		\$620,000	\$0				\$620,000
UNI			\$65,633	\$55,789				\$121,422
ISU			\$195,451	\$94,614				\$290,065
Iowa	2016			\$587,000	\$0			\$587,000
UNI				\$53,968	\$62,975			\$116,943
ISU				\$475,684	\$330,011			\$805,695
Iowa	2017				\$517,000	\$0		\$517,000
UNI					\$55,150	\$56,850		\$112,000
ISU					\$405,244	\$257,956		\$663,200
Iowa	2018					\$507,000	\$70,000	\$577,000
UNI						\$0	\$0	\$0
ISU						\$401,864	\$239,234	\$641,098
TOTAL		\$1,475,770	\$1,366,624	\$1,267,055	\$1,370,380	\$1,223,670	\$309,234	\$7,012,733
Iowa					Iowa	40%		\$2,829,332
UNI					UNI	6%		\$435,365
ISU					ISU	53%		\$3,748,036

* First payment of four for FY 2018

Resources

Iowa Nutrient Research Center – Home page

<https://www.cals.iastate.edu/nutrientcenter>

Iowa Nutrient Research Center – Projects

<https://www.cals.iastate.edu/nutrientcenter/project>

Iowa Nutrient Reduction Strategy – Home page

<http://www.nutrientstrategy.iastate.edu/>

Iowa Nutrient Reduction Strategy – Annual Report

<http://www.nutrientstrategy.iastate.edu/documents>

INRC Partnership with Iowa Flood Center (IFC)

- INRC funding to IIHR: ~30%, plus IIHR staff compete for INRC proposals
- ISU receives funding from the HUD grant led by IIHR/IFC:
 - ✓ Fund four HUD-grant specific INRC projects (\$650,000)
 - ✓ Fund Extension/Outreach for farmer education in HUD project watersheds (\$487,500) and
 - ✓ Fund Iowa Water Center at ISU on the Daily Erosion Project to model soil loss (\$975,000)
- ISU and IFC faculty collaborate on INRC-funded research

