

STATE QUALIFIERS

2009

JUNIOR DIVISION

STATE FAIR FINALISTS (BLUE RIBBON)

1	126 Kelsey Docktor	Tappen
2	137 Benjamin Schuler	Wishek
3	119 Amy Bechtle	Wishek
4	132 Ross Knoll	Ashley
5	142 Travis Schnabel	Ashley
6	129 Adam Jacobson	Wishek
7	104 Logan Wang	Ellendale
8	127 Aaron Weber	Wishek
9	134 Caitlin Mittleider	Tappen
10	131 Taylor Ketterling	Wishek
11	139 Tanner Meidinger	Ashley
12	101 Kameron Hoggarth	Wishek
13	103 Danielle Bosch	Tappen
14	113 Karly Wald	Wishek
15	140 Tyler Toepke Floyd	Wishek
16	138 BreAnna Stroh	Tappen

ALTERNATES TO STATE FAIR (HONORABLE MENTION RIBBON)

Rank in order with 1 the best of the alternates.

1	121 James Horner	Wishek
2	107 Kaylee Ketterling	Wishek
3	110 Ellen Schnabel	Ashley
4	106 Tia Briese	Tappen

SENIOR DIVISION

STATE FAIR FINALIST (BLUE RIBBON)

1	206 Alex Diesem	LaMoure
2	251 Jonathan Ketterling	Wishek
3	212 Jonathan Borg	Ellendale
4	219 Brandon Stroh	Tappen
5	209 Matthew Bon	Tappen
6	228 Reanna Klipfel	Ashley
7	238 Bea Fischer	Ashley
8	222 April Boniek	Ellendale
9	227 Ryan Flynn	Ellendale
10	208 Nicholas Knoblich	Ashley
11	201 Matthew Martin	Ellendale
12	236 Kristof Nelson	LaMoure
13	207 Emily Wang	Ellendale
14	250 Alex Entzie	Ashley
15	235 Michell Wishek	Wishek
16	231 Katie Hodem	LaMoure

ALTERNATES TO STATE FAIR (HONORABLE MENTION RIBBON)

Rank in order with 1 the best of the alternates.

1	252 Paige Swenson	LaMoure
2	234 Jennifer Mahin	Tappen
3	225 Erica Thielges	Wishek
4	215 Emilee Rath	Wishek

TO BE NAMED AT THE STATE SCIENCE FAIR IN FARGO APRIL 3, 2009.

OUTSTANDING YOUNG SCIENTIST - SR. DIVISION

**RUNNER UP - JAMESTOWN COLLEGE NATURAL SCIENCE DIVISION
\$14,000 SCHOLARSHIP TO JAMESTOWN COLLEGE**

1	#N/A	#N/A
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**SWEEPSTAKE AWARD - TRAVELING TROPHY TO SCHOOL AND FROM
JAMESTOWN COLLEGE NATURAL SCIENCE DIVISION \$18,000 SCHOLARSHIP**

1	#N/A	#N/A
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NATIONAL AWARDS

AMERICAN METEOROLOGICAL SOCIETY

The American Meteorological Society offers two Certificates of Outstanding Achievement to student exhibitors in **Junior or Senior Division** with participation in the atmospheric and related oceanic and hydrologic sciences.

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|--------------------|------|------|
| 1. (Certificate) - | #N/A | #N/A |
| 2. (Certificate) - | #N/A | #N/A |

AMERICAN PSYCHOLOGICAL ASSOCIATION

This award recognizes outstanding research in psychology under the category of behavioral and social sciences.

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|--------------------|-------------------|---------|
| 1. (Certificate) - | 216 Hope Haberman | LaMoure |
|--------------------|-------------------|---------|

ASM INTERNATIONAL FOUNDATION

This award recognizes the winner in **Junior or Senior Division** of the best materials engineering project. Criteria for the award is: 1) best use of materials-related concepts and 2) demonstration of some aspect of the materials paradigm, i.e., structure-processing-properties-performance relationships.

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|--------------------------------|-------------------------|--------|
| 1. (Certificate & Medallion) - | 251 Jonathan Ketterling | Wishek |
|--------------------------------|-------------------------|--------|

ASSOCIATION FOR WOMEN GEOSCIENTISTS

The Association for Women Geoscientists is pleased to provide an Award Certificate to female students in **Junior or Senior Division** whose projects, in the opinion of the judges, exemplify high standards of innovativeness and scientific excellence in the geosciences. Special consideration will be given to projects that increase the public awareness of the geosciences, illustrate the interdisciplinary nature of the geosciences, or promote the sensitivity to the earth as a global system.

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|--------------------|------|------|
| 1. (Certificate) - | #N/A | #N/A |
|--------------------|------|------|

DISCOVERY EDUCATION 3M YOUNG SCIENTIST CHALLENGE (JR DIVISION ONLY)

Discovery Education 3M Young Scientist Challenge is designed to award students in **7th or 8th Grade** for their knowledge of science and their ability to conduct independent research as evidenced through a science fair project.

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|--------------------|----------------------|--------|
| 1. (Certificate) - | 126 Kelsey Docktor | Tappen |
| 2. (Certificate) - | 137 Benjamin Schuler | Wishek |
| 3. (Certificate) - | 132 Ross Knoll | Ashley |
| 4. (Certificate) - | 129 Adam Jacobson | Wishek |

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|---------------------|------------------------|-----------|
| 5. (Certificate) - | 142 Travis Schnabel | Ashley |
| 6. (Certificate) - | 104 Logan Wang | Ellendale |
| 7. (Certificate) - | 138 BreAnna Stroh | Tappen |
| 8. (Certificate) - | 134 Caitlin Mittleider | Tappen |
| 9. (Certificate) - | 131 Taylor Ketterling | Wishek |
| 10. (Certificate) - | 140 Tyler Toepke Floyd | Wishek |

INTEL EXCELLENCE IN COMPUTER SCIENCE

Each affiliated fair that has a computer science category may offer **one** Intel Excellence in Computer Science Award to the top first place winner of the Computer Science category in the **Senior Division** portion of the fair.

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|---------------------------|------------------|---------|
| 1. (Certificate, \$200) - | 246 Scott Fossum | LaMoure |
|---------------------------|------------------|---------|

MU ALPHA THETA

Mu Alpha Theta wishes to provide **one** award to the project demonstrating the most challenging, thorough, and creative investigation of a problem involving modern mathematics.

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|--------------------|----------------------|--------|
| 1. (Certificate) - | 137 Benjamin Schuler | Wishek |
|--------------------|----------------------|--------|

NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

The National Society of Professional Engineers and Professional Engineers in Industry is pleased to provide an award to recognize the most outstanding engineering project.

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|---|-------------------|-----------|
| 1. (Certificate, supporting material, one-year subscription to Engineering Times) - | 212 Jonathan Borg | Ellendale |
|---|-------------------|-----------|

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)

Award to the individual, selected from among all the general award categories, whose research emphasizes NOAA's mission to understand and predict changes in Earth's environment and conserve and manage coastal and marine resources to meet our Nation's economic, social, and environmental needs.

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|--------------------|----------------|-----------|
| 1. (Certificate) - | 207 Emily Wang | Ellendale |
|--------------------|----------------|-----------|

RICOH SUSTAINABLE DEVELOPMENT AWARD

Award to the individual, selected from among all the general award categories, whose principles and technical innovations offer the greatest potential for increasing our ability to grow environmentally friendly and socially responsible businesses.

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|--|-----------------------|--------|
| 1. (Subscription to Science News Magazine) - | 208 Nicholas Knoblich | Ashley |
|--|-----------------------|--------|

SOCIETY FOR IN VITRO BIOLOGY

Awarded to the most outstanding **11th grade student** exhibiting in the areas of plant or animal in vitro biology or tissue culture.

1. (Certificate) - #N/A #N/A

STOCKHOLM JUNIOR WATER PRIZE

This award is presented to the best science fair project in **Senior Division** related to water quality, water resource management, water protection, water or wastewater treatment.

1. (Certificate) - 208 Nicholas Knoblich Ashley

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

The U.S. Public Health Service offers a special challenge for students in **Junior or Senior Division** to develop science projects in regional science fairs that creatively illustrate and expand upon the following:

1. Regular physical activity throughout life is important for maintaining a healthy body, enhancing psychological well being, and preventing premature death.
2. A healthy diet and regular physical activity are both important for maintaining a healthy weight.
3. Tobacco use is a major risk factor for heart disease, stroke, lung cancer, and chronic lung diseases-all leading causes of death.

1. (Certificate) - 206 Alex Diesem LaMoure

U.S. METRIC ASSOCIATION

The U.S. Metric Association is providing one certificate to be presented to the student in **Junior or Senior Division** whose project involves a significant amount of quantitative measurement and which best uses the SI metric system for those measurements.

1. (Certificate) - 209 Matthew Bon Tappen

YALE SCIENCE AND ENGINEERING AWARD

The Yale Science and Engineering award is presented to the most outstanding **11th grade student** exhibiting in the areas of Computer Science, Engineering, Physics, or Chemistry.

1. (Certificate) - 228 Reanna Klipfel Ashley

I-SWEEP, THE INTERNATIONAL SUSTAINABLE WORLD

Awarded to projects in **Junior or Senior Division** that promote engineering innovations and energy efficiency/management discoveries, which will nurture environmentally-friendly technology concepts in secondary education.

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|--------------------|-----------------------|-----------|
| 1. (Certificate) - | 208 Nicholas Knoblich | Ashley |
| 2. (Certificate) - | 229 Allison Barnick | Tappen |
| 3. (Certificate) - | 232 Raymond Orwig | Ellendale |

MILITARY AWARDS

U.S. AIR FORCE

Computer Messenger Bag, Quick Clip MP3 Player, Jotter, Mini Twist Pen

JR. DIVISION	Hat		
1		103 Danielle Bosch	Tappen
2		101 Kameron Hoggarth	Wishek

SR. DIVISION	Shirt		
1		208 Nicholas Knoblich	Ashley
2		238 Bea Fischer	Ashley

U.S. ARMY

The Army Awards Program provides recognition to outstanding student exhibitors in the categories of Engineering, Environmental Sciences, Life Sciences, Mathematics/Computer Sciences, and Physical Sciences. Exhibitors in **grades 9 through 12** are eligible for recognition.

Categories:

Engineering: (Certificate) - 203 Shauna Slaughter Tappen

Environmental Sciences: (may include projects in Earth and Space or Environmental Sciences)
(Certificate) - 207 Emily Wang Ellendale

Mathematics/Computer Science:
(Certificate) - 246 Scott Fossum LaMoure

Life Sciences: (may include projects in Behavioral and Social Sciences, Medicine and Health, Microbiology, Zoology, or Botany) (Certificate) - 238 Bea Fischer Ashley

Physical Sciences: (may include projects in Biochemistry, Chemistry, or Physics)
(Certificate) - 243 Jessica Hahne Ashley

***Each individual above will also receive a polo shirt bearing the Army's science fair logo.**

***Pick one individual as the best of category winner.**

OUTSTANDING CATEGORY WINNER: Select from above categories.
(Medallion) - 238 Bea Fischer Ashley

10 Additional Projects Can Be Recognized

1. (Certificate) -	119 Amy Bechtle	Wishek
2. (Certificate) -	127 Aaron Weber	Wishek
3. (Certificate) -	139 Tanner Meidinger	Ashley
4. (Certificate) -	101 Kameron Hoggarth	Wishek
5. (Certificate) -	103 Danielle Bosch	Tappen
6. (Certificate) -	113 Karly Wald	Wishek
7. (Certificate) -	121 James Horner	Wishek
8. (Certificate) -	107 Kaylee Ketterling	Wishek
9. (Certificate) -	110 Ellen Schnabel	Ashley
10. (Certificate) -	106 Tia Briese	Tappen

U.S. NAVY/U.S. MARINES

Students in *Junior and Senior Divisions* whose projects are considered to demonstrate excellence in science or engineering can be recognized as U.S. Navy and Marine Corps Distinguished Achievement winners.

JR. DIVISION

1. (Certificate & Medallion) -	103 Danielle Bosch	Tappen
2. (Certificate & Medallion)-	118 Tanner Carlson	LaMoure
3. (Certificate & Medallion) -	123 Ashley Morman	Wishek

SR. DIVISION

1. (Certificate & Medallion) -	238 Bea Fischer	Ashley
2. (Certificate & Medallion) -	208 Nicholas Knoblich	Ashley
3. (Certificate & Medallion) -	232 Raymond Orwig	Ellendale

REGIONAL AWARDS

BEST ANIMAL SCIENCE PROJECTS

WISHEK VETERINARY CLINIC & ASHLEY VETERINARY CLINIC

The award is presented to the most outstanding project in **Junior and Senior Divisions** related to Animal Sciences. Plaque to first place winner and certificate to second place winner.

JR. DIVISION

- | | | |
|--------------------|----------------------|--------|
| 1. (Plaque) - | 139 Tanner Meidinger | Ashley |
| 2. (Certificate) - | #N/A | #N/A |

SR. DIVISION

- | | | |
|--------------------|------|------|
| 1. (Plaque) - | #N/A | #N/A |
| 2. (Certificate) - | #N/A | #N/A |

BEST BEHAVIORAL & SOCIAL SCIENCE PROJECTS

PROGRESS ENTERPRISES

The award is presented to the most outstanding project in **Junior and Senior Division** related to Behavioral & Social Sciences. Plaque to first place winner and certificate to second place winner.

JR. DIVISION

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|--------------------|------------------|-----------|
| 1. (Plaque) - | 122 Megan Dewald | Ellendale |
| 2. (Certificate) - | #N/A | #N/A |

SR. DIVISION

- | | | |
|--------------------|-------------------|---------|
| 1. (Plaque) - | 216 Hope Haberman | LaMoure |
| 2. (Certificate) - | 210 Devin Olson | Wishek |

BEST BIOLOGICAL SCIENCE PROJECTS

TRACTOR SUPPLY COMPANY - JAMESTOWN

Award presented to the most outstanding project in **Junior and Senior Division** related to Biological Sciences. Plaque to first place winner and certificate to second place winner.

JR. DIVISION

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|--------------------|-------------------|-----------|
| 1. (Plaque) - | 138 BreAnna Stroh | Tappen |
| 2. (Certificate) - | 104 Logan Wang | Ellendale |

SR. DIVISION

- | | | |
|--------------------|-----------------------|--------|
| 1. (Plaque) - | 238 Bea Fischer | Ashley |
| 2. (Certificate) - | 208 Nicholas Knoblich | Ashley |

BEST CHEMISTRY PROJECTS

J FAMILY FARMS

Award is presented to the Outstanding **Junior Division** Chemistry or Chemistry Related Project. Plaque to first place winner and certificate to second place winner.

JR. DIVISION

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|--------------------|------------------------|--------|
| 1. (Plaque) - | 140 Tyler Toepke Floyd | Wishek |
| 2. (Certificate) - | 101 Kameron Hoggarth | Wishek |

SR. DIVISION

- | | | |
|--------------------|--------------------|--------|
| 1. (Plaque) - | 228 Reanna Klipfel | Ashley |
| 2. (Certificate) - | 234 Jennifer Mahin | Tappen |

AMERICAN CHEMICAL SOCIETY (Red River Valley Section)

Award is presented to the Outstanding Chemistry or Chemistry Related Project in **Senior Division**.

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|--|--------------------|--------|
| 1. (Certificate, \$100 Savings Bond) - | 228 Reanna Klipfel | Ashley |
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CONSERVATION/AGRICULTURAL/ENVIRONMENTAL ANALYSIS

STUTSMAN COUNTY SOIL CONSERVATION

The award is presented to the best environmental analysis project in **Junior and Senior Divisions**. Plaque to first place winner and certificate to second place winner in each division.

JR. DIVISION

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|--------------------|-------------------|-----------|
| 1. (Plaque) - | 138 BreAnna Stroh | Tappen |
| 2. (Certificate) - | 104 Logan Wang | Ellendale |

SR. DIVISION

- | | | |
|--------------------|-----------------------|-----------|
| 1. (Plaque) - | 208 Nicholas Knoblich | Ashley |
| 2. (Certificate) - | 207 Emily Wang | Ellendale |

ENVIRONMENTAL SCIENCES

PATRICK AND VALERIE LEIER FAMILY

Award to the project in the **Senior Division** related to environmental management. Plaque to the first place winner and certificate to the second place winner.

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|--------------------|-----------------------|-----------|
| 1. (Plaque) - | 208 Nicholas Knoblich | Ashley |
| 2. (Certificate) - | 207 Emily Wang | Ellendale |

CONSERVATION/ENVIRONMENTAL

COALITION FOR CONSERVATION AND ENVIRONMENTAL EDUCATION

A large purple rosette ribbon is presented for a Grand Champion Environmental Award in **Junior or Senior Division** for regional competition.

1. (Purple Rosette Ribbon) - 138 BreAnna Stroh Tappen

BEST ENERGY PROJECTS

DAKOTA VALLEY ELECTRIC COOPERATIVE

The award is presented to the most outstanding project in **Junior Division** related to energy or energy principles. Plaque to first place winner and certificate to second place winner.

1. (Plaque) - 132 Ross Knoll Ashley
2. (Certificate) - 128 Richelle Olson Ellendale

MONTANA DAKOTA UTILITIES ENERGY AWARD

The award is presented to the most outstanding project in **Senior Division** related to energy or energy principles. Plaque to first place winner and certificate to second place winner.

1. (Plaque) - 250 Alex Entzie Ashley
2. (Certificate) - 232 Raymond Orwig Ellendale

BEST ENGINEERING PROJECTS

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

The award is presented to the most outstanding project in **Junior and Senior Division** related to Engineering. Plaque to first place winner and certificate to second place winner in each division.

JR. DIVISION

1. (Plaque) - 127 Aaron Weber Wishek
2. (Certificate) - 106 Tia Briese Tappen

SR. DIVISION

1. (Plaque) - 212 Jonathan Borg Ellendale
2. (Certificate) - 219 Brandon Stroh Tappen

BEST MATHEMATICS/PHYSICS PROJECTS

WISHEK STEEL & MANUFACTURING

The award is presented to the most outstanding project in **Junior Division** related to Mathematics and Physics. Plaque to first place winner and certificate to second place winner.

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|--------------------|----------------------|--------|
| 1. (Plaque) - | 137 Benjamin Schuler | Wishek |
| 2. (Certificate) - | 121 James Horner | Wishek |

SAYLER IMPLEMENT INC. - WISHEK

The award is presented to the most outstanding project in **Senior Division** related to Mathematics and Physics. Plaque to first place winner and certificate to second place winner.

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|--------------------|----------------------|---------|
| 1. (Plaque) - | 214 Jared Mittleider | Tappen |
| 2. (Certificate) - | 252 Paige Swenson | LaMoure |

BEST MEDICAL PROJECTS

WISHEK COMMUNITY HOSPITAL

The award is presented to the most outstanding project in **Junior Division** related to medicine & health. Plaque to first place winner and certificate to second place winner.

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|--------------------|---------------------|--------|
| 1. (Plaque) - | 142 Travis Schnabel | Ashley |
| 2. (Certificate) - | 129 Adam Jacobson | Wishek |

ELLENDALE AVERA ST. LUKES CLINIC

The award is presented to the most outstanding project in **Senior Division** related to medicine & health. Plaque to first place winner and certificate to second place winner.

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|--------------------|-----------------|---------|
| 1. (Plaque) - | 206 Alex Diesem | LaMoure |
| 2. (Certificate) - | 241 Kyah Loeks | LaMoure |

BEST MICROBIOLOGY PROJECTS

TITAN MACHINERY

The award is presented to the most outstanding project in **Junior and Senior Divisions** related to microbiology. Plaque to the first place winner and certificate to second place winner.

JR. DIVISION

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|--------------------|-----------------------|--------|
| 1. (Plaque) - | 103 Danielle Bosch | Tappen |
| 2. (Certificate) - | 107 Kaylee Ketterling | Wishek |

SR. DIVISION

- | | | |
|--------------------|------------------|-----------|
| 1. (Plaque) - | 238 Bea Fischer | Ashley |
| 2. (Certificate) - | 222 April Boniek | Ellendale |

BEST PHOTOGRAPHY

SCHOOL PRIDE GROUP

This award is presented to the most outstanding project in **Junior and Senior Division** that uses photography to best illustrate concepts or results.

JR. DIVISION

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|----------------------------------|--------------------|--------|
| 1. (Certificate & Camera Case) - | 103 Danielle Bosch | Tappen |
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SR. DIVISION

- | | | |
|----------------------------------|-----------------------|--------|
| 1. (Certificate & Camera Case) - | 208 Nicholas Knoblich | Ashley |
|----------------------------------|-----------------------|--------|

BEST PLANT SCIENCE PROJECTS

DICKEY AND LAMOURE EXTENSION SERVICE OFFICES

The award is presented to the most outstanding project in **Junior and Senior Division** related to Plant Sciences. Plaque to the first place winner and certificate to second place winner.

JR. DIVISION

- | | | |
|--------------------|--------------------|--------|
| 1. (Plaque) - | 138 BreAnna Stroh | Tappen |
| 2. (Certificate) - | 110 Ellen Schnabel | Ashley |

SR. DIVISION

- | | | |
|--------------------|------------------|---------|
| 1. (Plaque) - | 249 Caleb Wagner | LaMoure |
| 2. (Certificate) - | #N/A | #N/A |

BEST SCIENTIFIC PRINCIPLES

CAVENDISH FARMS

Award to the project in the **Junior Division** for best illustration of scientific principles, i.e., the best use of the scientific method.

1. (Certificate, \$50) - 137 Benjamin Schuler Wishek

CHARLES NAZE ACADEMIC EXCELLENCE AWARD

Award presented for the most outstanding project in **Senior Division** exhibiting of scientific data to explain what took place in the experiment and why. Plaque and \$25 cash prize to the first place winner and certificate to second place winner.

1. (Plaque, \$25) - 208 Nicholas Knoblich Ashley
2. (Certificate) - 209 Matthew Bon Tappen

BEST DRINKING WATER RELATED PROJECT

RURAL WATER USERS ASSOCIATION

The award is presented to the most outstanding project in **Junior or Senior Division** related to drinking water.

1. (Plaque & \$50) - 208 Nicholas Knoblich Ashley

BEST WATER QUALITY PROJECTS

SOUTHEAST WATER USERS

The award is presented to the most outstanding project in **Junior and Senior Divisions** related to water quality. Plaque to the first place winner and certificate to second place winner.

JR. DIVISION

1. (Plaque) - #N/A #N/A
2. (Certificate) - #N/A #N/A

SR. DIVISION

1. (Plaque) - 208 Nicholas Knoblich Ashley
2. (Certificate) - #N/A #N/A

BEST WILDLIFE RELATED PROJECTS

CONSERVATION-STUTSMAN COUNTY WILDLIFE FEDERATION

JR. DIVISION

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|--------------------|----------------------|--------|
| 1. (Plaque) - | 139 Tanner Meidinger | Ashley |
| 2. (Certificate) - | 132 Ross Knoll | Ashley |

SR. DIVISION

- | | | |
|--------------------|--------------------|-----------|
| 1. (Plaque) - | 207 Emily Wang | Ellendale |
| 2. (Certificate) - | 236 Kristof Nelson | LaMoure |