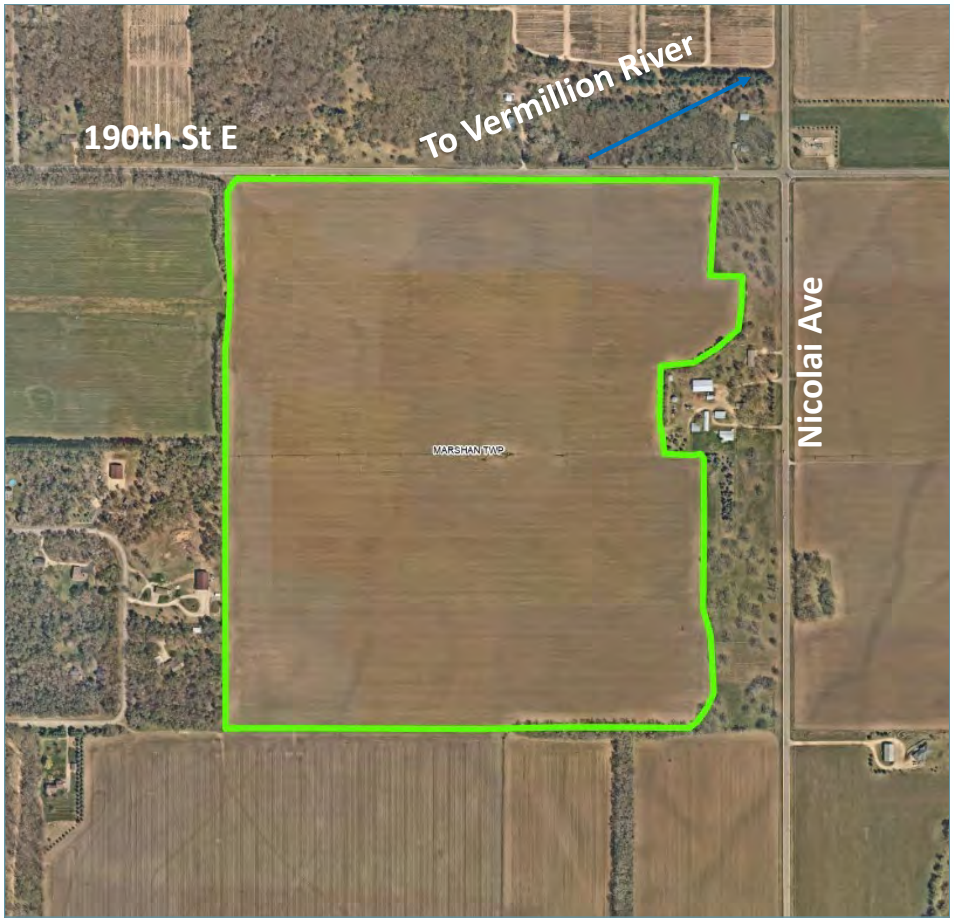
PROJECT FACTSHEET 25-IPP-07

PAT MAHER
SOIL HEALTH PRACTICES

DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



PROJECT: A winter cereal rye cover crop was planted on a 134-acre field following snapbean harvest. Nitrogen Inhibitors and split nitrogen application were also implemented. These practices will build soil health and reduce nutrient leaching.

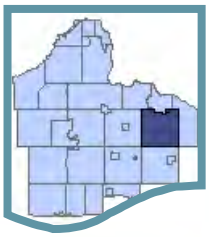
FUNDING: **Incentive Amount:** **$6,030**

Dakota COUNTY

Vermillion River watershed reflecting life

LOCATION:

Marshan Township



PRACTICE:

- Cover Crop
- Nitrogen Management

BENEFITS:

- 9 tons of sediment per year prevented from traveling downstream
- 15 lbs. of phosphorous per year prevented from traveling downstream
- Reduced leaching of nitrate into groundwater on highly vulnerable and sensitive soils.
- Retained nutrients and improved soil health.

PARTNERS:

- Vermillion River Watershed Joint Powers Organization
- Dakota County

WATERSHED:

- Vermillion River

RECEIVING WATERS:

- Vermillion River

INSTALLATION:

- Fall 2025

4100 220th Street W, Suite 102, Farmington, MN 55024 Tel: (651) 480-7777 Fax: (651) 480-7775 www.dakotacountyswcd.org Revised: 10/31/2025

Pat Maher
Soil Health Practices

DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



Nitrogen management practices were implemented during the growing season. A winter cereal rye cover crop was planted following snapbean harvest in late September.



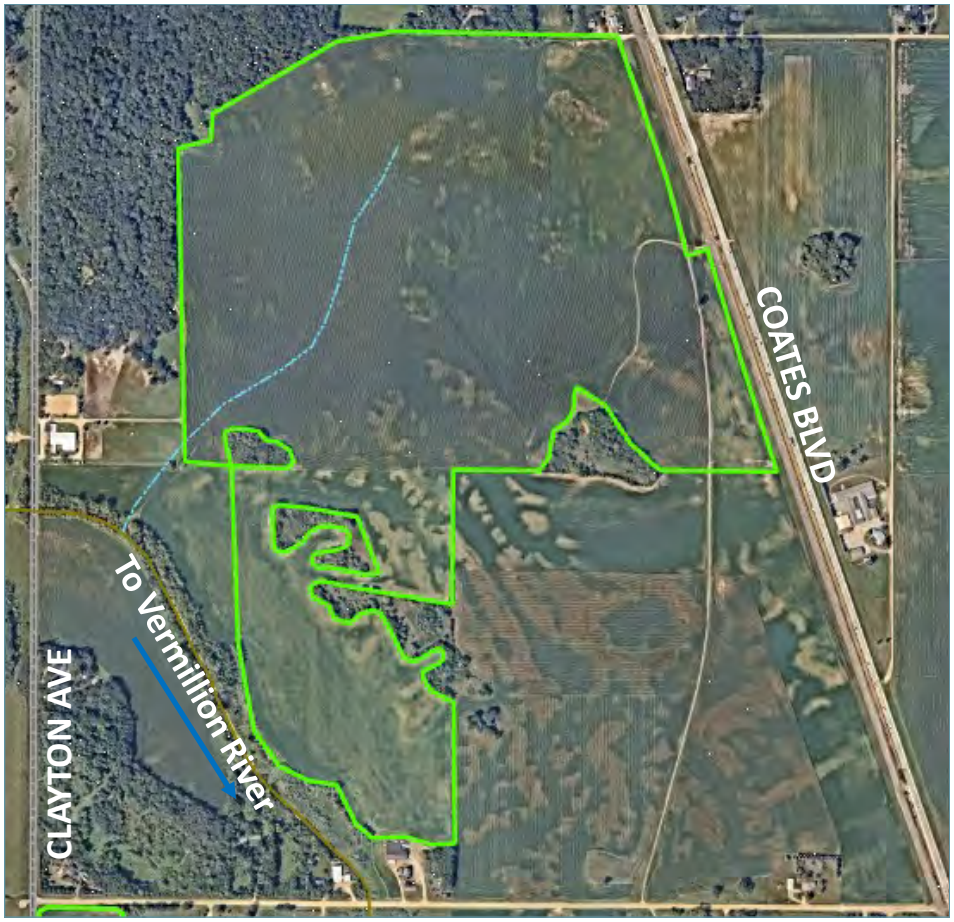
The cover crop had approximately 5 inches of growth one month after planting.

4100 220th Street W, Suite 102, Farmington, MN 55024 Tel: (651) 480-7777 Fax: (651) 480-7775 www.dakotacountyswcd.org

PROJECT FACTSHEET 25-IPP-36

JEREMY SAUERESSIG
SOIL HEALTH PRACTICES

DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



PROJECT: A winter cereal rye cover crop was planted on 217 acres following soybean harvest. The cover crop will provide erosion control, reduce weed pressure, and prevent nutrient leaching. Irrigation water management was also implemented on 155 acres.

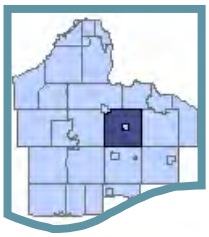
FUNDING: **Incentive Payments:** **$6,375**

Dakota COUNTY

Vermillion River watershed reflecting life

LOCATION:

Vermillion Township



PRACTICE:

- Cover Crop
- Irrigation Management

BENEFITS:

- 37 tons of sediment per year prevented from traveling downstream
- 49 lbs. of phosphorous per year prevented from traveling downstream
- Reduced leaching of nitrate into groundwater on highly vulnerable and sensitive soils.
- Retained nutrients and improved soil health.

PARTNERS:

- Vermillion River Watershed Joint Powers Organization
- Dakota County

WATERSHED:

- Vermillion River

RECEIVING WATERS:

- Vermillion River

INSTALLATION:

- Fall 2025

4100 220th Street W, Suite 102, Farmington, MN 55024 Tel: (651) 480-7777 Fax: (651) 480-7775 www.dakotacountyswcd.org Revised: 12/8/2025

Jeremy Saueressig

Soil Health Practices

DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



A winter cereal rye cover crop was planted following corn harvest in mid October.



The cover crop had approximately 3 inches of growth one month after planting.

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PROJECT FACTSHEET 25-IPP-04

BRAD SAUERESSIG
SOIL HEALTH PRACTICES

DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



PROJECT: Soil health practices are being implemented on a 136-acre field over three years including cover crops, split nitrogen application, and irrigation management. These practices will build soil health and reduce nutrient leaching.

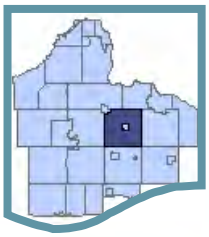
FUNDING: **Incentive Payments:** **$21,760**

Dakota COUNTY

Vermillion River watershed reflecting life

LOCATION:

Vermillion Township



PRACTICE:

- Cover Crop
- Nitrogen Management
- Irrigation Management

BENEFITS:

- 56 tons of sediment per year prevented from traveling downstream
- 73 lbs. of phosphorous per year prevented from traveling downstream
- Reduced leaching of nitrate into groundwater on highly vulnerable and sensitive soils.
- Retained nutrients and improved soil health.

PARTNERS:

- Vermillion River Watershed Joint Powers Organization
- Dakota County

WATERSHED:

- Vermillion River

RECEIVING WATERS:

- Vermillion River

INSTALLATION:

- 2025, 2026, and 2027

4100 220th Street W, Suite 102, Farmington, MN 55024 Tel: (651) 480-7777 Fax: (651) 480-7775 www.dakotacountyswcd.org Revised: 12/8/2025

Brad Saueressig

Soil Health Practices

DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



A winter cereal rye cover crop was planted following snapbean harvest in mid September.



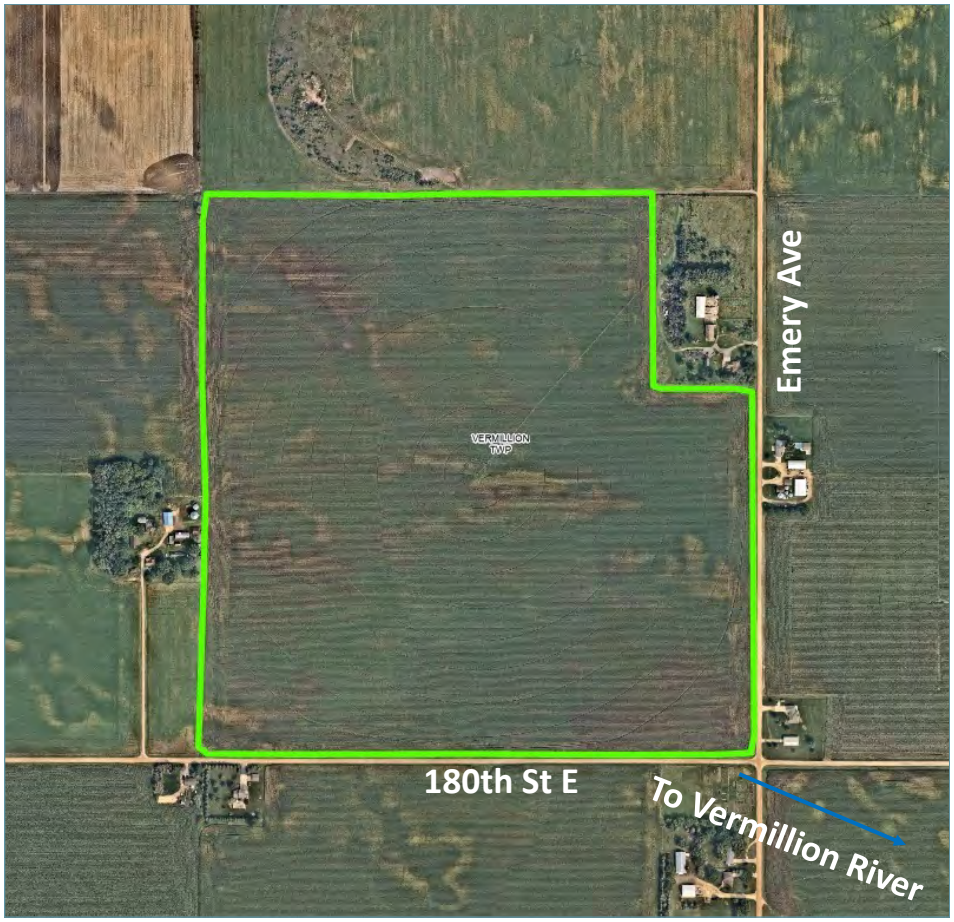
The cover crop had approximately 4 inches of growth one month after planting.

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PROJECT FACTSHEET 25-IPP-05

BRAD SAUERESSIG
SOIL HEALTH PRACTICES

DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



PROJECT: A winter cereal rye cover crop was planted on a 144-acre field following snapbean harvest. A split nitrogen application and irrigation management were also implemented. These practices will build soil health and reduce nutrient leaching.

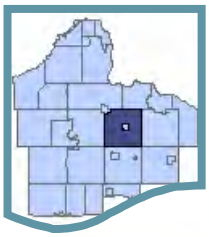
FUNDING: **Incentive Payments:** **$6,480**

Dakota COUNTY

Vermillion River watershed reflecting life

LOCATION:

Vermillion Township



PRACTICE:

- Cover Crop
- Nitrogen Management
- Irrigation Management

BENEFITS:

- 103 tons of sediment per year prevented from traveling downstream
- 123 lbs. of phosphorous per year prevented from traveling downstream
- Reduced leaching of nitrate into groundwater on highly vulnerable and sensitive soils.
- Retained nutrients and improved soil health.

PARTNERS:

- Vermillion River Watershed Joint Powers Organization
- Dakota County

WATERSHED:

- Vermillion River

RECEIVING WATERS:

- Vermillion River

INSTALLATION:

- Fall 2025

Brad Saueressig

Soil Health Practices

DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



A winter cereal rye cover crop was planted following snapbean harvest in early October.



The cover crop had approximately 3 inches of growth one month after planting.

4100 220th Street W, Suite 102, Farmington, MN 55024 Tel: (651) 480-7777 Fax: (651) 480-7775 www.dakotacountyswcd.org

PROJECT FACTSHEET 25-IPP-23

BRAD SAUERESSIG
SOIL HEALTH PRACTICES

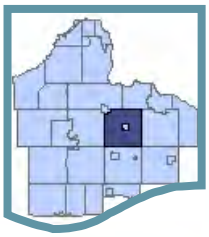
DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



PROJECT: A winter cereal rye cover crop is being planted on 96 acres in 2025, 2026, and 2027 following harvest. The cover crop will provide erosion control, reduce weed pressure, and prevent nutrient leaching. Nitrogen inhibitors and irrigation water management are also being implemented on this field.

FUNDING: **Incentive Payments:** **$14,880**

LOCATION:
Vermillion Township



PRACTICE:

- Cover Crop
- Nitrogen Management
- Irrigation Management

BENEFITS:

- 16 tons of sediment per year prevented from traveling downstream
- 22 lbs. of phosphorous per year prevented from traveling downstream
- Reduced leaching of nitrate into groundwater on highly vulnerable and sensitive soils.
- Retained nutrients and improved soil health.

PARTNERS:

- Vermillion River Watershed Joint Powers Organization
- Dakota County

WATERSHED:

- Vermillion River

RECEIVING WATERS:

- Vermillion River

INSTALLATION:

- Fall 2025, 2026, 2027

4100 220th Street W, Suite 102, Farmington, MN 55024 Tel: (651) 480-7777 Fax: (651) 480-7775 www.dakotacountyswcd.org Revised: 12/8/2025

Brad Saueressig

Soil Health Practices

DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



A winter cereal rye cover crop was planted following corn harvest in mid October.



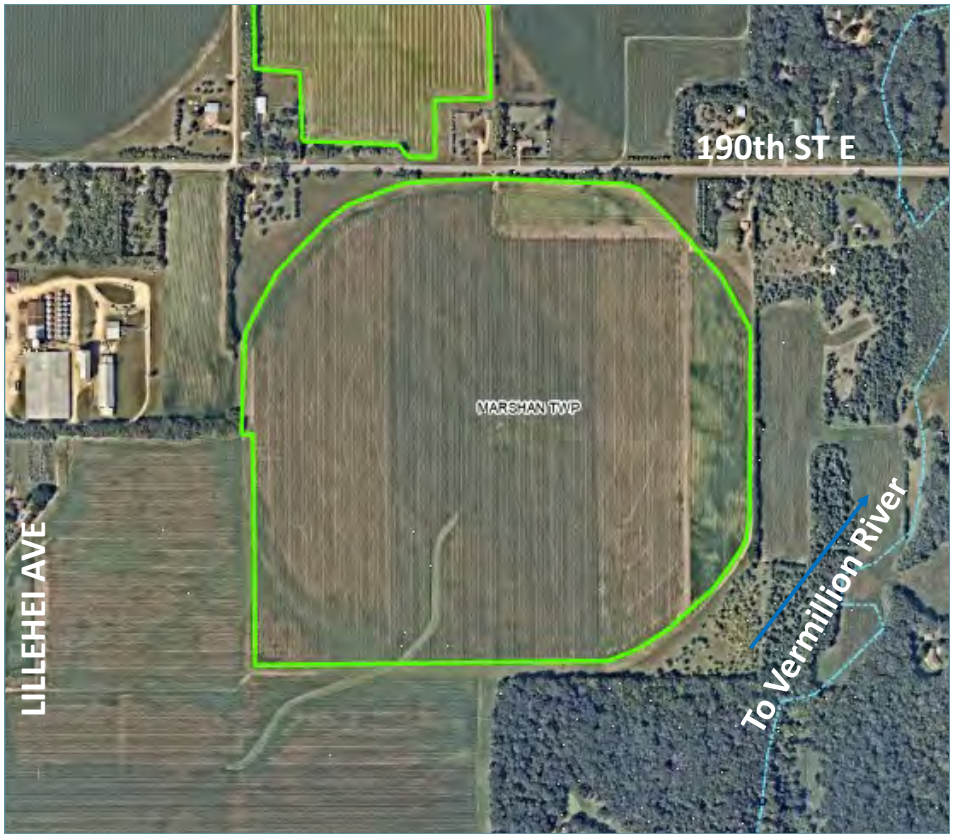
The cover crop had approximately 4 inches of growth 4 weeks after planting.

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PROJECT FACTSHEET 25-IPP-25

MOLITOR BROTHERS FARM
SOIL HEALTH PRACTICES

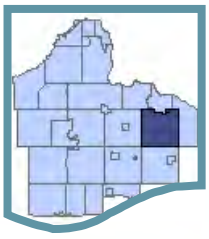
DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



PROJECT: A winter cereal rye cover crop was planted on 130 acres following harvest of potatoes. Split rate nitrogen application and irrigation water management was also utilized on this field. These practices helped build soil health and reduced nutrient leaching.

FUNDING: **Incentive Payments:** **$5,850**

LOCATION:
Marshan Township



PRACTICE:

- Cover Crop
- Nitrogen Management
- Irrigation Management

BENEFITS:

- 37 tons of sediment per year prevented from traveling downstream
- 42 lbs. of phosphorous per year prevented from traveling downstream
- Reduced leaching of nitrate into groundwater on highly vulnerable and sensitive soils.

PARTNERS:

- Vermillion River Watershed Joint Powers Organization
- Dakota County

WATERSHED:

- Vermillion River

RECEIVING WATERS:

- Vermillion River

INSTALLATION:

- Fall 2025

4100 220th Street W, Suite 102, Farmington, MN 55024 Tel: (651) 480-7777 Fax: (651) 480-7775 www.dakotacountyswcd.org Revised: 12/8/2025

Molitor Brothers Farm

Soil Health Practices

DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



A winter rye cover crop was planted following potato harvest in mid-October.

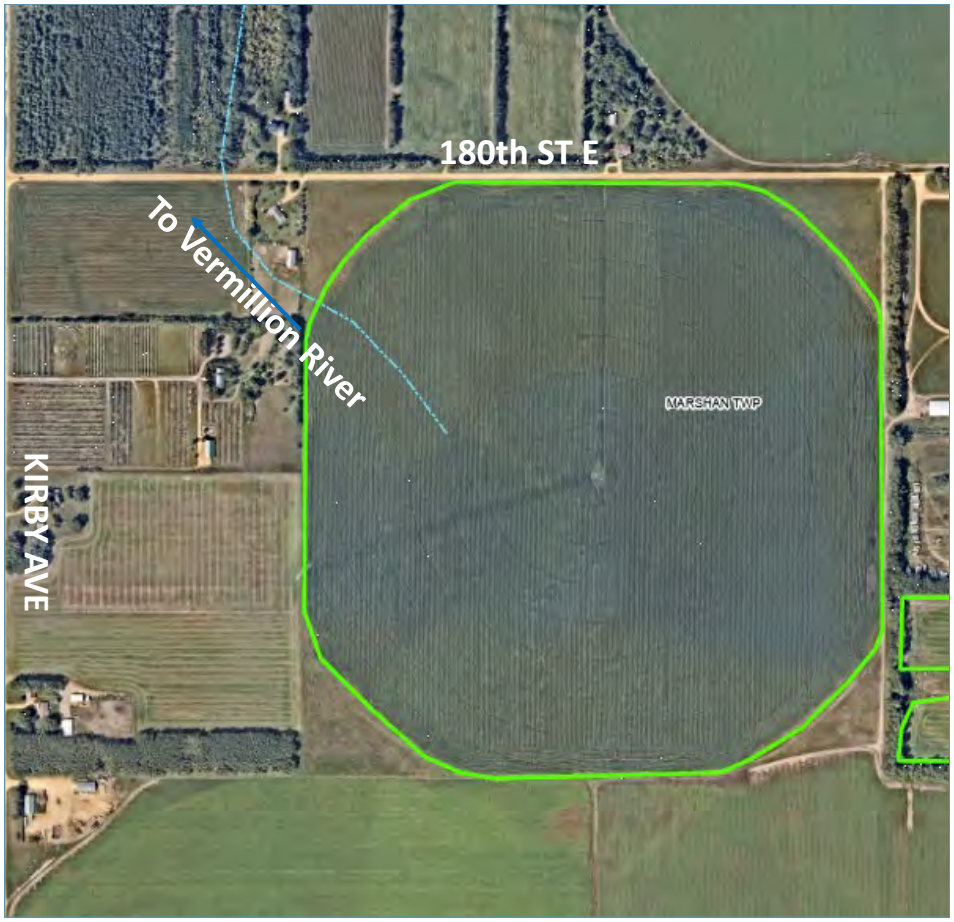


The cover crop had approximately 5 inches of growth 3 weeks after planting.

PROJECT FACTSHEET 25-IPP-26

MOLITOR BROTHERS FARM
SOIL HEALTH PRACTICES

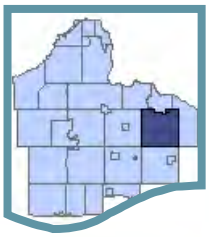
DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



PROJECT: A winter cereal rye cover crop was planted on 139 acres following harvest of potatoes. Split rate nitrogen application and irrigation water management was also utilized on this field. These practices helped build soil health and reduced nutrient leaching

FUNDING: **Incentive Payments:** **$6,255**

LOCATION:
Marshan Township



PRACTICE:

- Cover Crop
- Nitrogen Management
- Irrigation Management

BENEFITS:

- 14 tons of sediment per year prevented from traveling downstream
- 19 lbs. of phosphorous per year prevented from traveling downstream
- Reduced leaching of nitrate into groundwater on highly vulnerable and sensitive soils.
- Retained nutrients and improved soil health.

PARTNERS:

- Vermillion River Watershed Joint Powers Organization
- Dakota County

WATERSHED:

- Vermillion River

RECEIVING WATERS:

- Vermillion River

INSTALLATION:

- Fall 2025

4100 220th Street W, Suite 102, Farmington, MN 55024 Tel: (651) 480-7777 Fax: (651) 480-7775 www.dakotacountyswcd.org Revised: 12/8/2025

Molitor Brothers Farm

Soil Health Practices

DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



A winter rye cover crop was planted following potato harvest in mid-October.



The cover crop had approximately 5 inches of growth 3 weeks after planting.

PROJECT FACTSHEET 25-IPP-27

Molitor Brothers Farm
Soil Health Practices

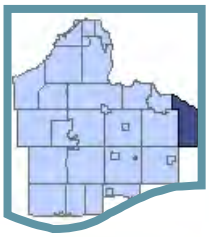
DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



PROJECT: A winter cereal rye cover crop was planted on 36 acres following harvest of potatoes. Split rate nitrogen application and irrigation water management was also utilized on this field. These practices helped build soil health and reduced nutrient leaching.

FUNDING: **Incentive Payments:** **$1,620**

LOCATION:
Ravenna Township



PRACTICE:

- Cover Crop
- Nitrogen Management
- Irrigation Management

BENEFITS:

- 12 tons of sediment per year prevented from traveling downstream
- 13 lbs. of phosphorous per year prevented from traveling downstream
- Reduced leaching of nitrate into groundwater on highly vulnerable and sensitive soils.

PARTNERS:

- Vermillion River Watershed Joint Powers Organization
- Dakota County

WATERSHED:

- Vermillion River

RECEIVING WATERS:

- Vermillion River

INSTALLATION:

- Fall 2025

4100 220th Street W, Suite 102, Farmington, MN 55024 Tel: (651) 480-7777 Fax: (651) 480-7775 www.dakotacountyswcd.org Revised: 12/8/2025

Molitor Brothers

Soil Health Practices

DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



A winter rye cover crop was planted following potato harvest in late September.



The cover crop had approximately 4 inches of growth 2 weeks after planting.

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PROJECT FACTSHEET 25-IPP-28

MOLITOR BROTHERS FARM
SOIL HEALTH PRACTICES

DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



PROJECT: A winter cereal rye cover crop was planted on 128 acres following harvest of potatoes. Split rate nitrogen application and irrigation water management was also utilized on this field. These practices helped build soil health and reduced nutrient leaching.

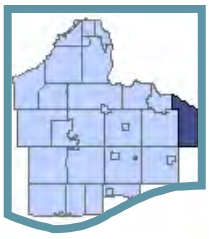
FUNDING: **Incentive Payments:** **$5,760**

Dakota COUNTY

Vermillion River watershed reflecting life

LOCATION:

Ravenna Township



PRACTICE:

- Cover Crop
- Nitrogen Management
- Irrigation Management

BENEFITS:

- 41 tons of sediment per year prevented from traveling downstream
- 46 lbs. of phosphorous per year prevented from traveling downstream
- Reduced leaching of nitrate into groundwater on highly vulnerable and sensitive soils.

PARTNERS:

- Vermillion River Watershed Joint Powers Organization
- Dakota County
- Minnesota Board of Water and Soil Resources

WATERSHED:

- Vermillion River

RECEIVING WATERS:

- Vermillion River

INSTALLATION:

- Fall 2025

4100 220th Street W, Suite 102, Farmington, MN 55024 Tel: (651) 480-7777 Fax: (651) 480-7775 www.dakotacountyswcd.org Revised: 1/21/2026

PROJECT FACTSHEET 25-IPP-37

KARL SORG
SOIL HEALTH PRACTICES

DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



PROJECT: A winter triticale cover crop was planted on 62 acres following field corn harvest. Nitrogen inhibitors and a split rate nitrogen application were also implemented. The soil health practices will provide erosion control, reduce weed pressure, and prevent nutrient leaching.

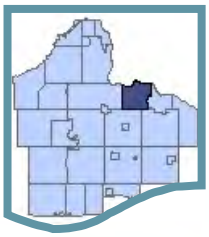
FUNDING: **Incentive Payments:** **$2,790**

Dakota COUNTY

Vermillion River watershed reflecting life

LOCATION:

Nininger Township



PRACTICE:

- Cover Crop
- Nitrogen Management

BENEFITS:

- 17 tons of sediment per year prevented from traveling downstream
- 23 lbs. of phosphorous per year prevented from traveling downstream
- Reduced leaching of nitrate into groundwater on highly vulnerable and sensitive soils.
- Retained nutrients and improved soil health.

PARTNERS:

- Vermillion River Watershed Joint Powers Organization
- Dakota County
- Minnesota Board of Water and Soil Resources

WATERSHED:

- Vermillion River

RECEIVING WATERS:

- Vermillion River

INSTALLATION:

- Fall 2025

Karl Sorg
Soil Health Practices

DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



A winter triticale cover crop was planted with a no-till drill late October following corn harvest.



The cover crop began to emerge and will overwinter.

4100 220th Street W, Suite 102, Farmington, MN 55024 Tel: (651) 480-7777 Fax: (651) 480-7775 www.dakotacountyswcd.org

PROJECT FACTSHEET 25-IPP-38

KARL SORG
SOIL HEALTH PRACTICES

DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



PROJECT: A winter triticale cover crop was planted on 132 acres following sweet corn harvest. Nitrogen inhibitors, split rate nitrogen application, and irrigation management were also implemented. The soil health practices will provide erosion control, reduce weed pressure, and prevent nutrient leaching.

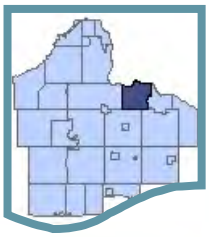
FUNDING: **Incentive Payments:** **$6,600**

Dakota COUNTY

Vermillion River watershed reflecting life

LOCATION:

Nininger Township



PRACTICE:

- Cover Crop
- Nitrogen Management
- Irrigation Management

BENEFITS:

- 42 tons of sediment per year prevented from traveling downstream
- 54 lbs. of phosphorous per year prevented from traveling downstream
- Reduced leaching of nitrate into groundwater on highly vulnerable and sensitive soils.
- Retained nutrients and improved soil health.

PARTNERS:

- Vermillion River Watershed Joint Powers Organization
- Dakota County

WATERSHED:

- Vermillion River

RECEIVING WATERS:

- Vermillion River

INSTALLATION:

- Fall 2025

4100 220th Street W, Suite 102, Farmington, MN 55024 Tel: (651) 480-7777 Fax: (651) 480-7775 www.dakotacountyswcd.org Revised: 12/10/2025

Karl Sorg
Soil Health Practices

DAKOTA COUNTY
SOIL & WATER
CONSERVATION DISTRICT



A winter triticale cover crop was planted following sweet corn harvest in early October.



The cover crop had approximately 3 inches of growth one month after planting.

PROJECT FACTSHEET

RAMASUBRAMANIAN RESIDENTIAL NATIVE GARDEN

DAKOTA COUNTY
SOIL & WATER CONSERVATION DISTRICT



A native garden, also called natural landscaping, uses plants, trees and grasses that are suitable for growth in a particular geographical area



PROJECT: Installation of a 100 sq. ft. residential native garden.

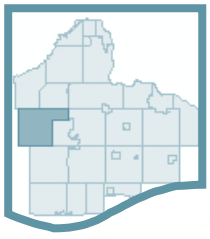
COST: Project materials cost estimated at $712

FUNDING: Landowners receive a $250 Landscaping for Clean Water grant as well as technical assistance provided by the Dakota County Soil and Water Conservation District

Vermillion River watershed reflecting life

LOCATION:

Houston Way
Lakeville



PRACTICE:

- Native Garden

BENEFITS:

- Runoff volume reduction
- Slope stabilization
- Improved wildlife habitat
- Opportunity for public education and outreach
- Improved aesthetics

PARTNERS:

- Vermillion River Watershed Joint Powers Organization

WATERSHED:

- Vermillion River

INSTALLATION:

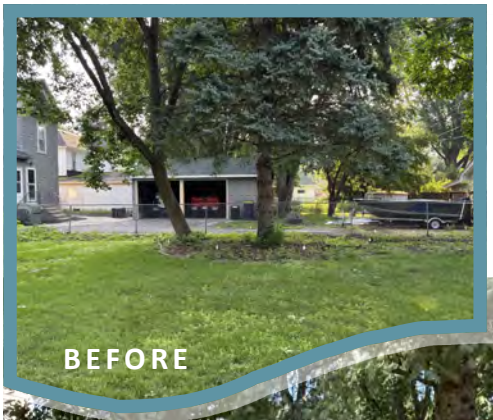
- Summer 2025

4100 220th Street W, Suite 102, Farmington, MN 55024 Tel: (651) 480-7777 Fax: (651) 480-7775 www.dakotacountyswcd.org Revised: 10/6/2025

PROJECT FACTSHEET

SVEDBERG RESIDENTIAL NATIVE GARDEN

DAKOTA COUNTY SOIL & WATER CONSERVATION DISTRICT





A native garden, also called natural landscaping, uses plants, trees and grasses that are suitable for growth in a particular geographical area

PROJECT: Installation of a 527 sq. ft. residential native garden.

COST: Project materials cost estimated at $1116

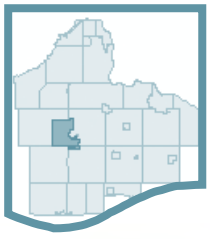
FUNDING: Landowners receive a $250 Landscaping for Clean Water grant as well as technical assistance provided by the Dakota County Soil and Water Conservation District

Vermillion River watershed reflecting life

LOCATION:

5th Street

Farmington



PRACTICE:

- Native Garden

BENEFITS:

- Runoff volume reduction
- Slope stabilization
- Improved wildlife habitat
- Opportunity for public education and outreach
- Improved aesthetics

PARTNERS:

- Vermillion River Watershed Joint Powers Organization

WATERSHED:

- Vermillion River

INSTALLATION:

- Summer 2025

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PROJECT FACTSHEET

EUSTICE RESIDENTIAL RAINGARDEN

DAKOTA COUNTY SOIL & WATER CONSERVATION DISTRICT



A raingarden is a shallow depression that captures rainwater, removes pollutants, and soaks the water into the ground.

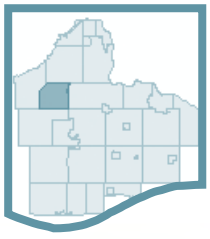
PROJECT: Installation of a 100 square foot residential raingarden.

COST: Project materials cost estimated at $1,430

FUNDING: Landowners receive a $250 Landscaping for Clean Water grant as well as technical assistance provided by the Dakota County Soil and Water Conservation District

LOCATION:

Hannibal Circle
Apple Valley



PRACTICE:

- Raingarden

BENEFITS:

- Runoff volume reduction
- Improved water quality
- Improved wildlife habitat
- Opportunity for public education and outreach
- Improved aesthetics

PARTNERS:

- Vermillion River Watershed Joint Powers Organization

WATERSHED:

- Vermillion River

INSTALLATION:

- Summer 2025

4100 220th Street W, Suite 102, Farmington, MN 55024 Tel: (651) 480-7777 Fax: (651) 480-7775 www.dakotacountyswcd.org Revised: 10/6/2025

PROJECT FACTSHEET

BARNIDGE RESIDENTIAL RAINGARDEN

DAKOTA COUNTY SOIL & WATER CONSERVATION DISTRICT



A raingarden is a shallow depression that captures rainwater, removes pollutants, and soaks the water into the ground.



PROJECT: Installation of a 470 square foot residential raingarden.

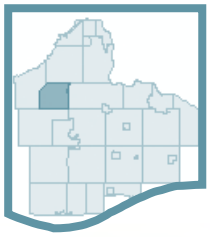
COST: Project materials cost estimated at $1,600

FUNDING: Landowners receive a $250 Landscaping for Clean Water grant as well as technical assistance provided by the Dakota County Soil and Water Conservation District

Vermillion River watershed reflecting life

LOCATION:

Everest Court East
Apple Valley



PRACTICE:

- Raingarden

BENEFITS:

- Runoff volume reduction
- Improved water quality
- Improved wildlife habitat
- Opportunity for public education and outreach
- Improved aesthetics

PARTNERS:

- Vermillion River Watershed Joint Powers Organization

WATERSHED:

- Vermillion River

INSTALLATION:

- Summer 2025

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