



Grant Progress Report

Soil Health Cost Share 2023

Grant Title: 2023 - Soil Health Cost Share (Root River SWCD)

Grant ID: P23-2730

Grantee: Root River SWCD

Fiscal Agent:

Grant Day-to-Day Contact: Dave Walter

Grant Award (\$): \$14,175.00

Required Match (%): 0

Required Match (\$): \$0.00

Grant Execution Date: 10/20/2022

Grant End Date: 12/31/2024

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$14,175.00	\$14,175.00	\$0.00
Match Funds	\$0.00	\$0.00	\$0.00
Other Funds	\$0.00	\$0.00	\$0.00
Total	\$14,175.00	\$14,175.00	\$0.00

*Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.

Budget Details

Activity Name	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
FY23 Cover Crop Cost Share	Non-Structural Management Practices	Current State Grant	2023 - Soil Health Cost Share (Root River SWCD)	\$14,175.00	\$14,175.00	\$0.00	N

Indicator Summary

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
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<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	146.3	Tons/Yr
Water Pollution (Reduction Estimates)	Nutrients (Nitrate)	450	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	201.1	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	162.48	Tons/Yr
Water Pollution (Reduction Estimates)	Nitrogen	1023.183	Lbs/Yr

Grant Activities

Activity Name: FY23 Cover Crop Cost Share

Activity Category: Non-Structural Management Practices **Staff time?:** No

Description: Funds will be used to cost share on the installation of cover crops, within Houston County. This will be a one-time payment per operator and will be paid at the time of seeding the 1st year of a minimum 3 years of cover crops.

A flat rate cost share payment equivalent to the current USDA NRCS EQIP cover crop rate(s) per acre will be used for single specie and multi specie cover crops. A 50 acre cap per landowner/operator is being imposed. Cost sharing will follow the Local Cost Share Policy.

For acres to be eligible, cover crops can not have been implemented on the field in the last five years.

NRCS Standards & Specifications will be followed and the “Minnesota Cover Crop Design Worksheet” will be utilized to develop projects for producers.

Houston County Comprehensive Water Plan, Goal #2 Action 1 and Root River One Watershed, One Plan-2.6.1.4.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2023 - Soil Health Cost Share (Root River SWCD)	\$14,175.00	\$14,175.00	\$0.00	01/11/2024	N

Actual Results

CY2022 No funds were expended.

CY2023 1st Qtr. No funds were expended.

CY2023 2nd Qtr. No funds were expended.

CY2023 3rd Qtr. No funds were expended.

CY2023 4th Qtr. Funds allocated to three landowners were paid out. Two three year contracts with single specie and one 1 year contract with single specie. The combined total of acres planted is 113.687 acres. Remaining funds, \$6,165.00, are allocated and acres were planted. We are waiting for the landowners signature on the voucher.

CY2024 1st Qtr. Funds allocated to one landowner were paid out. A three year contract with multi specie. Total acres planted for this project is 50 acres. All funds are expended.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	162.48	Tons/Yr
Soil (Est. Savings)	146.3	Tons/Yr
Nitrogen	1023.183	Lbs/Yr
Nutrients (Nitrate)	450	Lbs/Yr
Phosphorus (Est. Reduction)	201.1	Lbs/Yr

Activity Action Name: Meyer, Dustin	Activity Count: 5
Practice Type: 340 - Cover Crop	Size/Units: 50 - Acres
TA Provider/JAA: SWCD	Lifespan: 3 Years
Practice Description: The landowner would like reduce erosion, cycle nutrients and build organic soil matter by implementing cover crops.	Install Date: 09/06/2023
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	39.31	Bwsr Calc (Sheet And Rill)	Upper Winnebago Creek
Soil (Est. Savings)	Tons/Yr	47.5	Bwsr Calc (Sheet And Rill)	Upper Winnebago Creek
Nitrogen	Lbs/Yr	450	Literature Value	Upper Winnebago Creek
Sediment (Tss)	Tons/Yr	22.55	Bwsr Calc (Sheet And Rill)	Upper Winnebago Creek

Activity Action Name:	K3 Angus	Activity Count:	5
Practice Type:	340 - Cover Crop	Size/Units:	50 - Acres
TA Provider/JAA:	SWCD	Lifespan:	3 Years
Practice Description:		Install Date:	10/17/2023
		Mapped:	Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	65	Bwsr Calc (Sheet And Rill)	Winnebago Creek
Phosphorus (Est. Reduction)	Lbs/Yr	143.44	Bwsr Calc (Sheet And Rill)	Winnebago Creek
Sediment (Tss)	Tons/Yr	130.65	Bwsr Calc (Sheet And Rill)	Winnebago Creek
Nutrients (Nitrate)	Lbs/Yr	450	Literature Value	Winnebago Creek

Activity Action Name:	Feine, Rocky	Activity Count:	2
Practice Type:	340 - Cover Crop	Size/Units:	15 - Acres
TA Provider/JAA:	SWCD	Lifespan:	3 Years
Practice Description:	The landowner would like to reduce erosion by planting cover crops.	Install Date:	10/01/2023
		Mapped:	Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	9.3	Bwsr Calc (Sheet And Rill)	Root River
Phosphorus (Est. Reduction)	Lbs/Yr	8.98	Bwsr Calc (Sheet And Rill)	Root River
Nitrogen	Lbs/Yr	135	Literature Value	Root River
Sediment (Tss)	Tons/Yr	3.88	Bwsr Calc (Sheet And Rill)	Root River

Activity Action Name:	Hartley, Chris	Activity Count: 6
Practice Type:	340 - Cover Crop	Size/Units: 48.687 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	The landowner would like to reduce erosion and build organic matter by planting cover crops.	Install Date: 10/21/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	5.4	Bwsr Calc (Sheet And Rill)	Butterfield Creek
Phosphorus (Est. Reduction)	Lbs/Yr	9.37	Bwsr Calc (Sheet And Rill)	Butterfield Creek
Soil (Est. Savings)	Tons/Yr	24.5	Bwsr Calc (Sheet And Rill)	Butterfield Creek
Nitrogen	Lbs/Yr	438.183	Literature Value	Butterfield Creek