



Grant Progress Report

Soil Health Cost Share 2023

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

Grant ID: P23-2702

Grantee: Lyon SWCD

Fiscal Agent:

Grant Day-to-Day Contact: Anita Cauwels

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?
Soil Health Cost-Share	Agricultural Practices	Current State Grant	2023 - Soil Health Cost Share (Lyon SWCD)	\$14,175.00	\$14,175.00	\$0.00	N

Indicator Summary

Indicator Category	Proposed Indicator	Total Value	Unit
--------------------	--------------------	-------------	------

Indicator Category	Final Indicator	Total Value	Unit
Water Pollution (Reduction Estimates)	Nitrogen	3097.08	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	148.344	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	11.1492	Tons/Yr
Water Pollution (Reduction Estimates)	Nutrients (Nitrate)	1134.5	Lbs/Yr

Grant Activities

Activity Name: Soil Health Cost-Share

Activity Category: Agricultural Practices

Staff time?: No

Description: Cost-share towards soil health practices that follow the BWSR Erosion Control and Water Management Program Policy along with the Lyon SWCD Nonstructural Conservation Practice Cost-Share Policy. All practices must be consistent with the NRCS Field Office Technical Guide (FOTG) or professionally accepted engineering or ecological practices. Design standards for all practices must include specifications for operation and maintenance for the life of the given practice, including an inspection schedule and procedure.

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 (Lyon SWCD)	\$14,175.00	\$14,175.00	\$0.00	10/25/2024	N

Actual Results		
Final Indicators		
Indicator	Total Value	Unit
Nutrients (Nitrate)	1134.5	Lbs/Yr
Sediment (Tss)	11.1492	Tons/Yr
Phosphorus (Est. Reduction)	148.344	Lbs/Yr
Nitrogen	3097.08	Lbs/Yr

Activity Action Name: #12/23 - Allen Deutz (2023) Practice Type: 340 - Cover Crop TA Provider/JAA: SWCD Practice Description: #12/23 - Allen Deutz - Conservation Crop Rotation and Cover Crops Year 1: field A, B & C (west)				Activity Count: 1 Size/Units: 119 - Acres Lifespan: 1 Year Install Date: 08/30/2023 Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	23.65	Other	HUC 12 070200060301
Nitrogen	Lbs/Yr	514	Other	HUC 12 070200060301
Sediment (Tss)	Tons/Yr	1.24	Other	HUC 12 070200060301

Activity Action Name: #12/23 - Allen Deutz (2024)				Activity Count: 1
Practice Type: 340 - Cover Crop				Size/Units: 83.5 - Acres
TA Provider/JAA: SWCD				Lifespan: 1 Year
Practice Description: #12/23 - Allen Deutz Conservation Crop Rotation and Cover Crops Year 2: Field A & B				Install Date: 08/01/2024
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	394.6	Other	HUC 12 070200060301
Sediment (Tss)	Tons/Yr	0.8964	Other	HUC 12 070200060301
Phosphorus (Est. Reduction)	Lbs/Yr	17.09	Other	HUC 12 070200060301

Activity Action Name: #12/23 - Allen Deutz (2023)				Activity Count: 1
Practice Type: 328 - Conservation Crop Rotation				Size/Units: 125.1 - Acres
TA Provider/JAA: SWCD				Lifespan: 1 Year
Practice Description: #12/23 - Allen Deutz Conservation Crop Rotation and Cover Crop Field A, B & C (east)				Install Date: 08/30/2023
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.8803	Other	HUC 12 070200060301
Phosphorus (Est. Reduction)	Lbs/Yr	25.7	Other	HUC 12 070200060301
Nutrients (Nitrate)	Lbs/Yr	678.5	Other	HUC 12 070200060301

Activity Action Name:	#12/23 - Allen Deutz (2024)	Activity Count: 1
Practice Type:	328 - Conservation Crop Rotation	Size/Units: 40.8 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	#12/23 - Allen Deutz Conservation Crop Rotation and Cover Crop Year 2: Field B	Install Date: 08/01/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	17.09	Other	HUC 12 070200060301
Sediment (Tss)	Tons/Yr	0.2887	Other	HUC 12 070200060301
Nutrients (Nitrate)	Lbs/Yr	222.6	Other	HUC 12 070200060301

Activity Action Name:	#12/23 - Allen Deutz (2025)	Activity Count: 1
Practice Type:	328 - Conservation Crop Rotation	Size/Units: 42.7 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	#12/23 - Allen Deutz Conservation Crop Rotation and Cover Crop Year 3: Field A	Install Date: 06/10/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.3028	Other	HUC 12 070200060301
Nutrients (Nitrate)	Lbs/Yr	233.4	Other	HUC 12 070200060301
Phosphorus (Est. Reduction)	Lbs/Yr	8.842	Other	HUC 12 070200060301

Activity Action Name: #03/23 - Dan Kruger (2023)				Activity Count: 1
Practice Type: 340 - Cover Crop				Size/Units: 31.02 - Acres
TA Provider/JAA: SWCD				Lifespan: 1 Year
Practice Description: #03/23 - Dan Kruger - Cover Crops and Conservation Crop Rotation Year 1: Field A & B1				Install Date: 07/25/2023
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	9.936	Other	HUC 12: 07100010201
Sediment (Tss)	Tons/Yr	1.521	Other	HUC 12: 07100010201
Nitrogen	Lbs/Yr	401.4	Other	HUC 12: 07100010201

Activity Action Name: #03/23 - Dan Kruger (2025)				Activity Count: 1
Practice Type: 340 - Cover Crop				Size/Units: 28.02 - Acres
TA Provider/JAA: SWCD				Lifespan: 1 Year
Practice Description: #03/23 - Dan Kruger Cover Crop and Conservation Crop Rotation Year 3: Field B1 & B2				Install Date: 09/30/2025
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	362.6	Other	HUC 12: 07100010201
Sediment (Tss)	Tons/Yr	1.374	Other	HUC 12: 07100010201
Phosphorus (Est. Reduction)	Lbs/Yr	8.974	Other	HUC 12: 07100010201

Activity Action Name: #03/23 - Dan Kruger (2024)				Activity Count: 1
Practice Type: 340 - Cover Crop				Size/Units: 31 - Acres
TA Provider/JAA: SWCD				Lifespan: 1 Year
Practice Description: #03/23 - Dan Kruger Cover Crop and Conservation Crop Rotation Year 2: Field A & B2				Install Date: 08/01/2024
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	1.521	Other	HUC 12: 07100010201
Phosphorus (Est. Reduction)	Lbs/Yr	9.936	Other	HUC 12: 07100010201
Nitrogen	Lbs/Yr	401.4	Other	HUC 12: 07100010201

Activity Action Name: #03/23 - Dan Kruger (2024)				Activity Count: 1
Practice Type: 328 - Conservation Crop Rotation				Size/Units: 31.02 - Acres
TA Provider/JAA: SWCD				Lifespan: 1 Year
Practice Description: #03/23 - Dan Kruger Cover Crop and Conservation Crop Rotation Year 2: Field A & B1				Install Date: 05/16/2024
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	1.028	Other	HUC 12: 07100010201
Nitrogen	Lbs/Yr	392.1	Other	HUC 12: 07100010201
Phosphorus (Est. Reduction)	Lbs/Yr	10.28	Other	HUC 12: 07100010201

Activity Action Name: #03/23 - Dan Kruger (2025)				Activity Count: 1
Practice Type: 328 - Conservation Crop Rotation				Size/Units: 17 - Acres
TA Provider/JAA: SWCD				Lifespan: 1 Year
Practice Description: #03/23 - Dan Kruger Cover Crop and Conservation Crop Rotation Year 3: Field A				Install Date: 06/10/2025
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.5635	Other	HUC 12: 07100010201
Phosphorus (Est. Reduction)	Lbs/Yr	5.637	Other	HUC 12: 07100010201
Nitrogen	Lbs/Yr	215	Other	HUC 12: 07100010201

Activity Action Name: #03/23 - Dan Kruger (2023)				Activity Count: 1
Practice Type: 328 - Conservation Crop Rotation				Size/Units: 28.02 - Acres
TA Provider/JAA: SWCD				Lifespan: 1 Year
Practice Description: #03/23 - Dan Kruger Cover Crop and Conservation Crop Rotation Year 1: Field B1 & B2				Install Date: 04/29/2023
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	9.284	Other	HUC 12: 07100010201
Nitrogen	Lbs/Yr	354.2	Other	HUC 12: 07100010201
Sediment (Tss)	Tons/Yr	0.9282	Other	HUC 12: 07100010201

Activity Action Name: #27/24 - Joseph Haney				Activity Count: 1
Practice Type: 340 - Cover Crop				Size/Units: 40 - Acres
TA Provider/JAA: SWCD				Lifespan: 3 Years
Practice Description: #27/24 - Joseph Haney - Cover Crop				Install Date: 09/30/2024
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	1.925	Other	HUC 12 070200041003
Sediment (Tss)	Tons/Yr	0.6053	Other	HUC 12 070200041003
Nitrogen	Lbs/Yr	61.78	Other	HUC 12 070200041003