



Grant All-Detail Report Projects and Practices 2021

Grant Title - Grow As You Know- Sauk River

Grant ID - C21-5134

Organization - Todd SWCD

Original Awarded Amount	\$38,351.00	Grant Execution Date	2/25/2021
Required Match Amount	\$9,587.75	Original Grant End Date	12/31/2023
Required Match %	25%	Grant Day To Day Contact	Sarah Katterhagen
Current Awarded Amount	\$38,351.00	Current End Date	12/31/2023

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$38,351.00	\$34,231.91	\$4,119.09
Total Match Amount	\$9,588.00	\$12,607.26	\$-3,019.26
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$47,939.00	\$46,839.17	\$1,099.83

**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	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Consultant Services	Technical/Engineering Assistance	Current State Grant	Grow As You Know- Sauk River	\$474.00	\$502.50	9/5/2022	N
Cover Crop Cost-share	Non-Structural Management Practices	Current State Grant	Grow As You Know- Sauk River	\$32,027.00	\$27,907.91	11/10/2022	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Cover Crop Cost-share	Non-Structural Management Practices	Landowner Fund		\$8,007.00	\$12,607.26	11/10/2022	Y
Grant Administration	Administration /Coordination	Current State Grant	Grow As You Know- Sauk River	\$650.00	\$597.62	9/30/2022	N
Project Development	Project Development	Current State Grant	Grow As You Know- Sauk River	\$3,120.00	\$3,120.00	6/30/2022	N
Technical Assistance	Technical/Engineering Assistance	Current State Grant	Grow As You Know- Sauk River	\$2,080.00	\$2,103.88	6/30/2022	N
Technical Assistance	Technical/Engineering Assistance	Local Fund		\$1,581.00			Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
340 - Cover Crop	2	2	37 AC	37 AC
340 - Cover Crop	1	1	45 AC	45 AC
340 - Cover Crop	1	1	12.3 AC	12.3 AC
340 - Cover Crop	1	3	18.9 AC	18.9 AC
340 - Cover Crop	1	1	69.4 AC	69.4 AC
340 - Cover Crop	1	1	300 AC	300 AC

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Cover Crop Cost-share	PHOSPHORUS (EST. REDUCTION)	33 LBS/YR	Osakis Lake	BWSR CALC (SHEET AND RILL)	Cover crops are throughout mgt. unit. WEPS may also be used.

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Cover Crop Cost-share	PHOSPHORUS (EST. REDUCTION)	33 LBS/YR	Sauk Lake	BWSR CALC (SHEET AND RILL)	Cover crops are throughout mgt. unit. WEPS may also be used.
Cover Crop Cost-share	SEDIMENT (TSS)	8 TONS/YR	Osakis	BWSR CALC (SHEET AND RILL)	Practice is throughout magt. unit. WEPS will also be calculated.
Cover Crop Cost-share	SEDIMENT (TSS)	8 TONS/YR	Sauk	BWSR CALC (SHEET AND RILL)	Practices are throughout mgt. unit. WEPS will also be calculated

Final Indicators Summary

Indicator Name	Total Value	Unit
SEDIMENT (TSS)	134.15	TONS/YR
SOIL (EST. SAVINGS)	1,203.60	TONS/YR

Grant Activity

Grant Activity - Consultant Services			
Description	Expert crop consultation and cover crop guidance will be provided by Osakis Creamery Agronomy Department in topics such as seeding windows, soil testing, cover crop toxicity, etc. as outlined in the grant application and work plan. Consultation hours will be reported to Todd SWCD quarterly- not to exceed 24 hours as paid consultation services. (Osakis Creamery has agreed to document other hours for match)		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Jun-21	End Date	31-Dec-22
Has Rates and Hours?	Yes		
Actual Results	01.31.2022. Partners did not charge for consultant services in 2021 but consultation was offered at two meetings and one field event. 12/31/2022: Consultants from Osakis Creamery were used at our field event in 2022 as resources for our farmers to ask questions.		

Grant Activity - Cover Crop Cost-share

Description	Provide cost-share to landowners at a rate of 75% for soil analysis (grid, composite, zone, root zone, nitrate, sump, and living soil), and all installation costs including but not limited to, seed bulk and delivery, equipment hours and rental (@ Iowa custom rates), retrofitting, fertilizer and other pre-approved costs associated with maintaining a successful cover. Cost estimates will be provided ahead and analyzed for accuracy and reasonableness prior to contact approval. Competitive bids will be used for seed and associated costs and other billables will be paid out based on IOWA custom rates for the year in which they are expended following completion of the project. Contracts procured in year one (2021) will expire in 3 years. Contracts procured in Year 2 will expire in two years. Either contract will list a date expiration matching the grant expiration date.		
Category	NON-STRUCTURAL MANAGEMENT PRACTICES		
Start Date	1-Jun-21	End Date	
Has Rates and Hours?	No		
Actual Results	01/31/2022 100 acres of cover crops were installed in 2021 as a kick-off to the grant. 12/31/2022: 5 farmers received cost-share for 470.3 acres of cover crops in 2022. One of these farmers was a year two farmer in the grant. Another second year farmer encumbered funds and installed his cover crop but had not yet submitted invoices by year end 2022 for payment. This category is nearly spent down.		

Activity Action - 11-0017500 Cover Crop Ebnet

Practice	340 - Cover Crop	Count of Activities	1
Description	Planting Cover Crop over 12.3 acres of tillable land that will produce good soil health and prevent wind erosion		
Proposed Size / Units	12.30 AC	Lifespan	1 Year
Actual Size/Units	12.30 AC	Installed Date	20-Sep-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	NRCS

Final Indicator for 11-0017500 Cover Crop Ebnet

Indicator Name	SEDIMENT (TSS)	Value	62
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Jim Lake/Type 3 wetland -Sauk River		

Activity Action - 21-0029201 Cover Crop Koehn			
Practice	340 - Cover Crop	Count of Activities	1
Description	Cover crop planted to prevent wind erosion and to break compaction improving soil health		
Proposed Size / Units	37.00 AC	Lifespan	1 Year
Actual Size/Units	37.00 AC	Installed Date	14-Oct-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	NRCS

Final Indicator for 21-0029201 Cover Crop Koehn			
Indicator Name	SEDIMENT (TSS)	Value	72.15
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Felix Lake/stream Sauk River Watershed		

Activity Action - 27-0021900 Cover Crop Kraemer			
Practice	340 - Cover Crop	Count of Activities	1
Description	Planting of a diverse mixture of warm and cool season grasses along with a cool season legume. This mix will reduce the amount of wind and water erosion on exposed soils.		
Proposed Size / Units	300.00 AC	Lifespan	1 Year
Actual Size/Units	300.00 AC	Installed Date	11-Aug-22
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for 27-0021900 Cover Crop Kraemer			
Indicator Name	SOIL (EST. SAVINGS)	Value	1080
Indicator Subcategory/Units	WIND EROSION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	WEPS (Wind Erosion Prediction System)
Waterbody	Ashley Creek		

Activity Action - 15-0042700 Cover Crop Triebenbach			
Practice	340 - Cover Crop	Count of Activities	1
Description	Planting of a mixture of cool season grass (wheat) and brassicas (winter camelina, dwarf essex rapeseed, and radish). This mix will reduce the amount of wind and water erosion on exposed soils. The winter camelina will overwinter and grow in the spring to help reduce the amount of exposed soil in the spring.		
Proposed Size / Units	45.00 AC	Lifespan	1 Year
Actual Size/Units	45.00 AC	Installed Date	8-Sep-22
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for 15-0042700 Cover Crop Triebenbach			
Indicator Name	SOIL (EST. SAVINGS)	Value	49.6
Indicator Subcategory/Units	WIND EROSION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	WEPS (Wind Erosion Prediction System)
Waterbody	Lake Osakis		

Activity Action - 21-0029201 Cover Crop Koehn - 2nd Year			
Practice	340 - Cover Crop	Count of Activities	1
Description	Planting of a cereal rye and radish cover crop on 37 acres of tillable land that will provide good soil health, along with wind and water erosion protection to nearby Felix Lake and perennial stream		
Proposed Size / Units	37.00 AC	Lifespan	1 Year
Actual Size/Units	37.00 AC	Installed Date	13-Oct-22
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for 21-0029201 Cover Crop Koehn - 2nd Year			
Indicator Name	SOIL (EST. SAVINGS)	Value	1
Indicator Subcategory/Units	WIND EROSION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Felix Lake and stream outlet		

Activity Action - 03-0006900 Cover Crop - Roering			
Practice	340 - Cover Crop	Count of Activities	1
Description	Planting of cereal rye radish cover crop on 69.4 acres of tillable land that will provide good soil health, along with wind and water erosion protection.		
Proposed Size / Units	69.40 AC	Lifespan	1 Year
Actual Size/Units	69.40 AC	Installed Date	13-Oct-22
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for 03-0006900 Cover Crop - Roering			
Indicator Name	SOIL (EST. SAVINGS)	Value	72
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Prairie Creek/Pauley/ Birvh		

Activity Action - 21-0022802 Cover Crop Durham			
Practice	340 - Cover Crop	Count of Activities	1
Description	Planting of a cereal rye cover crop on 18.9 acres of tillable land that will provide good soil health, wind and water erosion protections, plus groundwater protection from leachable nutrients.		
Proposed Size / Units	18.90 AC	Lifespan	1 Year
Actual Size/Units	18.90 AC	Installed Date	10-Nov-22
Mapped Activities	3 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for 21-0022802 Cover Crop Durham			
Indicator Name	SOIL (EST. SAVINGS)	Value	1
Indicator Subcategory/Units	WIND EROSION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Felix & Center		

Grant Activity - Grant Administration			
Description	Todd SWCD administration will perform all administration duties required by the grant: tracking, reporting, and compilation of cost-share components, etc. typically performed by Program Coordinator or District Manager in the absence of Coordinator		
Category	ADMINISTRATION/COORDINATION		
Start Date	1-Apr-21	End Date	
Has Rates and Hours?	Yes		
Actual Results	01.31.2022 Grant hours were tracked and administrative duties completed as far as processing cost-share and program requirements. 12/31/2022: 23.5 hours were applied in 2022 in administrative duties		

Grant Activity - Project Development			
Description	Project development and consultation visits with landowners including on farm "Tractor Talks" on specific topics regarding cover crop installation and management, and public field "Shares" and dissemination events.		
Category	PROJECT DEVELOPMENT		
Start Date	31-Mar-21	End Date	
Has Rates and Hours?	Yes		
Actual Results	01/31/2022 A total of 4 cover crop projects were developed totaling almost 300 acres. Two were installed in 2021. 12/31/2022: 64 hours of project development resulted in 470.3 acres of covers in 2022.		

Grant Activity - Technical Assistance

Description	Field assessments, overall cover crop plan development and reviews to ensure technical standards are being met, and contracting procedures with technical feedback completed by SWCD technical team. Types of duties include landowner assistance, project inspections, review of reports, invoice review, board presentation documents, and file prep. JAA is in the process of being obtained and final sign off will be provided by NRCS until technicians obtain full JAA. (Hourly rates were calculated by adding the average billable rates of 3 farm conservation technicians/3 per conversation with Jeff Hrubes and Chris Pence of BWSR on 02.21.2021)		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	31-Mar-21	End Date	
Has Rates and Hours?	Yes		
Actual Results	01.31.2022 six site visits were conducted; technical assistance was offered to 20 interested landowners on different aspects of cover crops. Two projects were seen through to installation in 2021. 12/31/2022: Todd SWCD technicians applied 112 hours of technical assistance to farmers in 2022.		

Grant Attachments

Document Name	Document Type	Description
2021 Competitive Grant	Grant Agreement	2021 Competitive Grant - Todd SWCD
2021 Competitive Grant EXECUTED	Grant Agreement	2021 Competitive Grant - Todd SWCD
21 Grow As U Know All Details	Grant	Grow As You Know- Sauk River
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/31/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 10/10/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 10/10/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 10/10/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/02/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/28/2023
Application	Workflow Generated	Workflow Generated - Application - 08/17/2020
Watershed Management District Info	Grant	Grow As You Know- Sauk River
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 02/19/2021
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/17/2020
grantmap_28991_2020-08-17_09-28-22-AM.jpg	Grant	Grow As You Know- Sauk River

