

Tentative Agenda

State Conservation Commission

Thursday April 11, 2019

8:15 a.m. – 5:00 p.m. CDT

Matthew Training Center
523 E. Capitol Ave, Foss Building
Pierre, South Dakota 57501
605.773.3623

<ul style="list-style-type: none">• Opening Remarks• Introductions• Approval of January Minutes• Corrections/Approval of Past and Upcoming Travel• SDACD Area Meeting Schedule• Request for New Business to be Placed on the Agenda• Correspondence	RCF Staff/Chair
<ul style="list-style-type: none">• Revolving Loan Report• Revolving Loan Applications	Brian Scott
<ul style="list-style-type: none">• Grant Program/Updates/Changes/Amendments/Grant Status Reports• Reversions	Brian Scott
<ul style="list-style-type: none">• 2019 Spring Grant Round Review	RCF Staff
<ul style="list-style-type: none">• 2019 Spring Grant Selections	Conservation Commission
<ul style="list-style-type: none">• Conservation Tillage Equipment Loan Program	RCF Staff
<ul style="list-style-type: none">• Soil Conservation Award Review & Selection	RCF Staff
<ul style="list-style-type: none">• Code of Conduct	Conservation Commission
<ul style="list-style-type: none">• SDACD Committee Assignments	Conservation Commission
<ul style="list-style-type: none">• Division Report (if time permits)	RCF Staff
<ul style="list-style-type: none">• Commission Member Reports (if time permits)	Conservation Commission
<ul style="list-style-type: none">• Advisory Board Member Reports: (SD School & Public Lands, DENR, SD Game Fish & Parks, NRCS, SDSU Extension Service, SDSU Experiment Station) **Other Partners (if time permits)	Advisory Board Members
<ul style="list-style-type: none">• New Business	Conservation Commission
<ul style="list-style-type: none">• Location & Date of the Next Meeting• Ending Remarks• Adjourn	Chair

Additional Instructions:

**Advisory Board and other partners wishing to submit a written report are requested to do so by April 4, 2019. Written reports should be emailed to bill.smith@state.sd.us.

This meeting is being held in a physically accessible place. Individuals needing assistance, pursuant to the *Americans with Disabilities Act*, should contact the Division of Resource Conservation and Forestry (605.773.3623) at least 72 hours in advance of the meeting to make any necessary arrangements.

Because of the number of grant applications under consideration, agenda items may be moved up or down on the agenda as time permits.

We will have a speaker phone available for those who cannot attend in person. To access the meeting via teleconference, please use the following dial-in number: 866-410-8397. The conference code is 639-466-8372 followed by #

State Conservation Commission Meeting Minutes

January 24, 2019

Winter Meeting

Teleconference, SDDA Large Conference room

Call to Order: the meeting was called to order at 1:00 PM CST by Chairman Tom Glover.

Members Present by Teleconference: Mike Konechne, Tom Glover, Doug Hansen, Aaron Kiesz, Charlie Moe, Gerald Thaden, Bruce Haines, Gene Williams

Members Absent: Wayne Bunge

Introduction of new board member: Bruce Haines was introduced as the new board member from Mitchell and will serve a three year term.

Others present in person: Angela Ehlers Executive Director with the South Dakota Association of Conservation Districts (SDACD), Kim Paxton with the South Dakota Department of Agriculture (SDDA), and Bill Smith with SDDA.

Others attending the meeting via conference call at 1:00 pm CDT.

Brian Scott with SDDA, Tina DeHaai & Eric Weeman from Brule-Buffalo Conservation District, Peggy Loomis from Hamlin Conservation District, Peg Haenfler from Bon Homme Conservation District, Wendy Mathers from Aurora Conservation District, Spencer Grubb from Sanborn Conservation District, Stephanie Pauli from Grant Conservation District and Kris Dozark from the South Dakota Department of Environment and Natural Resources (DENR).

Election of Officers: Bill Smith took over the meeting for the election of officers. A motion was made by Chairman Tom Glover and seconded to elect Doug Hansen as the chairman. Roll call vote: Mike Konechne-aye, Tom Glover-aye, Doug Hansen-abstained, Aaron Kiesz-aye, Charlie Moe-aye, Gerald Thaden-aye, Bruce Haines-aye, Gene Williams-aye. **Motion carried.**

Motion was made by Charlie Moe and seconded to elect Gene Williams as the Vice-Chairman. Roll call vote: Mike Konechne-aye, Tom Glover-aye, Doug Hansen-aye, Aaron Kiesz-aye, Charlie Moe-aye, Gerald Thaden-aye, Bruce Haines-aye, Gene Williams abstained. **Motion carried.**

Meeting Minutes: Motion was made by Tom Glover and seconded to approve the November 15, 2018 minutes as submitted. Roll call vote: Gene Williams aye, Mike Konechne-aye, Tom Glover-aye, Doug Hansen- aye, Aaron Kiesz-aye, Charlie Moe-aye, Gerald Thaden-aye, Bruce Haines-aye. **Motion carried.**

Request for new items to be placed on the agenda: None.

Upcoming Travel: Forest Stewardship Committee Meeting and Forest Action Plan Goals
Gene Williams will represent the Conservation Commission at January 30, 2019 Forest Stewardship Coordinating Committee Meeting in Rapid City. Motion was made by Aaron Kiesz and seconded to approve upcoming travel. Roll call vote: Gene Williams abstained, Mike Konechne-aye, Tom Glover-aye, Doug Hansen- aye, Aaron Kiesz-aye, Charlie Moe-aye, Gerald Thaden-aye, Bruce Haines-aye.

Correspondence: None.

Nutrient Research and Education Council Nomination: Bruce Haines will represent the Commission as the Nutrient Research and Education Council Nomination.

Guidelines and Priorities: Motion was made by Charlie Moe and seconded to approve the Guidelines and Priorities for 2019. Roll Call vote: Mike Konechne-aye, Tom Glover-aye, Doug Hansen-aye, Aaron Kiesz-aye, Charlie Moe –aye, Gerald Thaden-aye, Bruce Haines-aye. Gene Williams-aye. **Motion carried.**

Loan Review Report: Brian Scott gave the loan status report.

Revolving Loan Applications: No applications were received.

Grant Program/Updates/Changes/Amendments/Report: Brian Scott gave an update on the Grant Program.

2019 Docket: A motion was made by Gene Williams and seconded to approve the Natural Resources Conservation Service (NRCS) recommendations to change cost-share of cover crops from not to exceed \$45/acre and not to exceed 80 acres to not to exceed \$28.16 and not to exceed 160 acres and to change the cost-share of fabricated windbreaks from not to exceed \$28.50 per linear foot to not to exceed \$16.62 per linear foot. A substitute motion was made by Mike Konechne to approve the increased not to exceed amounts for livestock practices as proposed by the Brule-Buffalo Conservation District, **Motion failed for a lack of a second.**

Gerald Thaden made a motion and seconded to approve the 2019 docket as discussed in the original motion to approve the docket with the changes proposed by NRCS. Roll call vote: Gene Williams-aye, Mike Konechne-aye, Tom Glover-aye, Doug Hansen-aye, Aaron Kiesz-absent, Charlie Moe-aye, Gerald Thaden-aye, Bruce Haines-aye. **Motion carried.**

Partner Reports: Reports were given by Angela Ehlers (SDACD) and Kris Dozark (DENR).

Spring Grant Round Date: The Spring Grant round will be April 11, 2019.

Soil Erosion and Sediment Control Complaint Form Changes: Bill informed the Commission that the current erosion and sediment complaint letter includes a blank to record the name of the person filing a complaint. Other complaints (such as weed and pest) allow the person filing the complaint to remain anonymous. Bill informed the Commission that there is nothing in law requiring that the person filing the complaint to be identified. A motion was

made by Gene William and seconded to add “optional” behind “complainant” on the soil and sediment complaint example letters. Roll Call vote: Mike Konechne-aye, Tom Glover-aye, Doug Hansen-aye, Aaron Kiesz-aye, Charlie Moe-aye, Gerald Thaden-aye, Bruce Haines-aye, Gene Williams-aye. **Motion carried.**

Next meeting date and place: The next Commission meeting will be on April 11, 2019 in Pierre at the Matthews Training Center. Time to be determined.

Meeting ending time: 2:45 PM CST.

As recorded by Kim Paxton.

Unapproved

SCHEDULE OF PAYMENTS, CONSERVATION DISTRICT REVOLVING LOAN FUND
Scheduled Payments for Fiscal Year 2019
(July 1, 2018 through June 30, 2019)

Accumulated Interest Since 1965 \$ 203,053.12

Accumulated Loans Since 1965 \$ 2,376,940.54

RCF LOAN NUMBER	AG DEV LOAN NUMBER	DATE OF LOAN	CONSERVATION DISTRICT	PURPOSE OF LOAN	AMOUNT OF ORIGINAL LOAN	AMOUNT OUTSTANDING	PAYMENT DUE THIS FISCAL YEAR	MONTH DUE	MONTH PAID	PRINCIPAL PAID	INTEREST PAID	EXTRA PAID	TOTAL CURRENTLY OUTSTANDING
<i>New Loans This Fiscal Year</i>													
1081	74-04-01	11/15/2018	Hamlin	No-till Drill	\$ 39,890.00	\$ 39,890.00	\$ -	07/01/2019					\$ 39,890.00
1080	37-03-01	08/02/2017	Grant	Tractor	\$ 45,585.00	\$ 45,585.00	\$ 9,117.00	11/01/2019	11/21/2018	\$ 9,117.00	\$ 982.50		\$ 36,468.00
1079	40-03-01	09/26/2016	Butte	No-till Drill	\$ 22,500.00	\$ 18,000.00	\$ 4,500.00	09/01/2018	09/13/2018	\$ 4,500.00	\$ 537.61	\$ 2.59	\$ 13,497.41
1078	136-01-01	06/10/2016	Bennett	No-till Drill	\$ 3,500.00	\$ 2,136.15	\$ 684.54	03/01/2019	03/18/2019	\$ 687.82	\$ 66.42		\$ 1,438.33
1077	38-03-01	02/18/2016	Deuel	Grass Drill	\$ 17,000.00	\$ 10,390.14	\$ 3,401.78	01/01/2019	01/01/2019				\$ 10,390.14
1075	130-01-01	09/17/2015	Day	Tree Spade	\$ 20,000.00	\$ 9,977.86	\$ 5,000.00	09/01/2018	10/18/2018	\$ 4,999.59	\$ 299.71		\$ 4,978.27
1072	80-02-01	09/22/2014	Jones	No-till Drill	\$ 40,000.00	\$ 7,954.46	\$ 3,775.96	10/01/2018	10/31/2018	\$ 3,775.96	\$ 224.04		\$ 4,178.50
1071	39-02-01	09/22/2014	Clark	Grass Drill	\$ 15,000.00	\$ 5,996.75	\$ 3,000.00	12/01/2018	11/20/2018	\$ 3,000.00	\$ 176.10	\$ 2.75	\$ 2,994.00
1067	36-04-01	11/15/2012	Jackson	Grass Drill	\$ 27,586.00	\$ 3,837.79	\$ 3,837.79	12/01/2018	08/24/2018	\$ 3,837.79	\$ 94.08		\$ -
COLUMN TOTALS					\$ 231,061.00	\$ 103,878.15	\$ 33,317.07			\$ 29,928.16	\$ 2,380.46	\$ 5.34	\$ 113,834.65

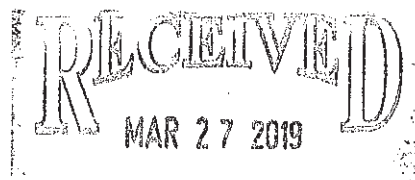
NEW LOANS THIS FISCAL YEAR

\$ 3,388.91

CURRENT CASH BALANCE

\$ 88,173.79

PAYMENTS DUE REMAINDER OF YEAR



This application for a loan from the (check all that apply)

- Conservation District Revolving Loan fund
- Conservation Tillage Equipment Loan Program

SD Dept. of Agriculture Pierre
Resource Conservation & Forestry

was approved by the Board of Supervisors of the Lynch Conservation District Conservation District at a meeting held on 1/22/19 and is so recorded in the official minutes of the meeting.

ATTEST:

SECRETARY

CHAIRMAN

2/20/19

Date of Application

=====

LOAN FINDINGS (DEPARTMENT USE ONLY):

QUESTIONS	COMMENTS
1. Was the application received by the deadline? Date Received:	Yes No
2. Is the application signed by appropriate persons?	Yes No
3. Is the loan for the appropriate reason (not real estate, computers, etc.)?	Yes No
4. If applicable, is insurance being acquired?	Yes No NA
5. Are minutes attached with applicable motion(s)?	Yes No
6. If no minutes are attached, are they coming? When?	Yes No NA
7. Are minutes official (quorum, no advisors involved in action on motions)?	Yes No
8. Are conservation tillage loan funds being requested?	Yes No
9. Are present loans current?	Yes No NA
10. Were past loans paid off on time?	Yes No NA
11. Is the financial information in the application consistent with that in the district's annual financial report?	Yes No
12. Additional comments	

Division Staff

Date

Revolving Loan # _____
 Tillage Program # _____

APPLICATION FOR REVOLVING LOAN and CONSERVATION TILLAGE LOAN

Legal authority: SDCL 38-8-53, 53.1 and 54; and 38-6-8.1, and the Administrative Rules Chapter 12:03:03, and 12:07:01.

The Lincoln Conservation District, with headquarters at Center South Dakota, does hereby apply for a loan of \$ 15,000 from the (check all that apply)

- Conservation District Revolving Loan Fund
 Conservation Tillage Equipment Program

in the State of South Dakota, in accordance with the above stated legal authorities.

Purpose of loan: Purchasing a Great Plains 1006MT drill.

Payments to begin on: May 1, 2019 Length of Loan: Years, 4 months 0

The district understands that the repayment will include principal plus interest at the rate of 3.0% Annual Percentage Rate (APR) for Revolving Loans; and 5.0% Annual Percentage Rate (APR) for Conservation Tillage Equipment Loans, on the unpaid principal balance. There is no penalty for early repayment.

REVOLVING LOAN FUND Proposed Principal Repayment Schedule:	
Date <u>May 1 2019</u>	Amount \$ <u>3,862⁵⁰</u>
Date <u>May 1 2020</u>	Amount \$ <u>3,862⁵⁰</u>
Date <u>May 1 2021</u>	Amount \$ <u>3,862⁵⁰</u>
Date <u>May 1 2022</u>	Amount \$ <u>3,862⁵⁰</u>
Date _____	Amount \$ _____

CONSERVATION TILLAGE LOAN Proposed Principal Repayment Schedule:	
Date _____	Amount \$ _____
Date _____	Amount \$ _____
Date _____	Amount \$ _____
Date _____	Amount \$ _____
Date _____	Amount \$ _____

INFORMATION ON EQUIPMENT TO BE PURCHASED WITH LOAN FUNDS (if applicable)

Make of Machine: Great Plains Total Cost: \$20,000
 Model #: _____ Serial #: _____
 Anticipated Charge: \$26 per acre 10 acre minimum Anticipated use of machine: Acres: 1,300

EQUIPMENT INSURANCE:

Insurance Company: SDPAA Amount of comprehensive coverage: _____

NOTE: ARSD 12:03:03:02(9) requires that insurance be carried to cover loss of equipment purchased with loan funds.

PLEASE CHECK THE APPROPRIATE ANSWER:	
YES <input type="radio"/>	NO <input checked="" type="radio"/> Will this loan be used to pay off or refinance another loan?
YES <input type="radio"/>	NO <input checked="" type="radio"/> Is existing equipment being used as a trade-in?
YES <input type="radio"/>	NO <input checked="" type="radio"/> If yes, is there a current loan on that equipment? Where: _____
YES <input type="radio"/>	NO <input checked="" type="radio"/> Are other lending institutions involved in the acquisition of this equipment?
YES <input checked="" type="radio"/>	NO <input type="radio"/> Has the district already purchased the equipment? If yes, When: <u>Feb 11th 2014. \$5,000 down payment</u>

STATEMENT OF FINANCIAL CONDITION AS OF February 19, 2019 (Or attach current Balance Sheet)

ASSETS:

Cash (deposits, savings, petty cash)	\$	<input type="text" value="249.89"/>
Accounts Receivable (list below)	\$	<input type="text"/>
Equipment (inventory value)	\$	<input type="text"/>
Land & Buildings	\$	<input type="text"/>
Other Assets	\$	<input type="text"/>
TOTAL	\$	<input type="text" value="0.00"/>

LIABILITIES/EQUITY:

Vehicle notes payable	\$	<input type="text"/>
Other Accounts Payable (list on separate page)	\$	<input type="text"/>
Equipment notes payable	\$	<input type="text"/>
Land/Building notes payable	\$	<input type="text"/>
TOTAL LIABILITIES	\$	<input type="text" value="0.00"/>
Retained Earnings (equity)	\$	<input type="text"/>
TOTAL LIABILITIES+ EQUITY	\$	<input type="text" value="0.00"/>

ACCOUNTS RECEIVABLE RECORD AS OF _____

DEBTOR	AMOUNT OF DEBT	DATE DEBT INCURRED	REASON FOR DEBT NOT PAID

PROJECTED FINANCIAL STATEMENT (note unusual income or expenditure changes anticipated during the term of the loan):

NOTE:

1. Please attach a copy of the meeting minutes at which the loan application was authorized. These minutes **MUST BE SIGNED** by the District Administrative Secretary.
2. The district agrees to maintain financial records as required by the Conservation Commission and will make those records available to the Commission or Department of Agriculture staff for inspection upon request.
3. The district agrees to submit a statement of usage to the Commission at the time of each payment according to Administration of Revolving Fund Rules - chapter 12:03:03:08.
4. The district must attach a W-9 form to this application.

Lincoln County Conservation

BALANCE SHEET

As of February 20, 2019

	TOTAL
ASSETS	
Current Assets	
Bank Accounts	
1000 General Fund Checking	10,715.31
1000.2 2nd Checking Account	636.29
1000.3 PayPal Bank	2.13
1002 Petty Cash	249.84
1003 Savings Account	7,934.05
Total Bank Accounts	\$19,537.62
Accounts Receivable	
1200 Accounts Receivable	11,846.26
Total Accounts Receivable	\$11,846.26
Other Current Assets	
1004 Certificate of Deposits	
1004.17 CD#47870 due 03/31/20	15,624.37
Total 1004 Certificate of Deposits	15,624.37
1499 Undeposited Funds	6,958.76
Total Other Current Assets	\$22,583.13
Total Current Assets	\$53,967.01
Fixed Assets	
1620 Vehicles	
1622 1995 Dodge	12,020.00
1623 1994 Chevy	8,500.00
1636 2004 Chevy Silverado	11,830.00
Total 1620 Vehicles	32,350.00
1650 Machinery & Equipment	
1629 Land Rover Tiller	3,894.00
1638 Tree Trailer (Ludens)	4,525.00
1640 H&H Trailer	2,600.00
1651 Kubota	16,992.00
1652 Fabric Machine	5,016.84
1654 Yale Forklift	3,500.00
1658 Great Plains 10' Drill	20,000.00
1659 Tree Planter (2003)	5,573.60
Total 1650 Machinery & Equipment	62,101.44
1700 Accumulated Depreciation	-57,287.69
Total Fixed Assets	\$37,163.75
TOTAL ASSETS	\$91,130.76
LIABILITIES AND EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	

Lincoln County Conservation

BUDGET OVERVIEW: 2019 BUDGET - FY19 P&L

January - December 2019

	TOTAL
Income	
4000 County Allocation	20,000.00
4101 MACHINE PLANTING INCOME	20,000.00
4110 BR HAND PLANTS INCOME	40,000.00
4120 TREE FABRIC INCOME	26,000.00
4131 TREE PROTECTOR INCOME	4,000.00
4150 TREE CULTIVATION INCOME	1,500.00
4350 GRASS SEED SALES	2,000.00
4500 MISCELLANEOUS INCOME	1,500.00
4510 CD INTEREST INCOME	200.00
4520 ADVERTISING INCOME	1,800.00
Total Income	\$117,000.00
GROSS PROFIT	\$117,000.00
Expenses	
6001 UTILITIES	3,500.00
6002 POSTAGE	3,000.00
6003 OFFICE EQUIPMENT EXPENSE	100.00
6004 PRINTING & SUPPLIES	500.00
6005 INSURANCE-BOND & LIABILITIES	2,750.00
6012 SUPERVISOR MILEAGE	300.00
6014 SUPERVISOR LODGING	300.00
6015 SUPERVISOR GENERAL EXPENSES	300.00
6021 EMPLOYEE WAGES	35,000.00
6030 EMPLOYER PAYROLL TAX EXPENSE	4,000.00
6031 EMPLOYEE OTHER INCOME	2,000.00
6032 EMPLOYEE SDRS EXPENSE	2,100.00
6035 EMPLOYEE MILEAGE	400.00
6036 EMPLOYEE MEALS	200.00
6037 EMPLOYEE LODGING	400.00
6038 EMPLOYEE GENERAL EXPENSES	250.00
6050 MEMBERSHIP & DUES	1,500.00
6051 CONTRIBUTIONS	200.00
6055 ADMINISTRATIVE EXPENSES	2,000.00
6056 MISCELLANOUS EXPENSE	600.00
6070 NEWSLETTER	3,200.00
6071 CONTESTS	200.00
6072 EVENTS	100.00
6075 ADVERTISING EXPENSE	500.00
6076 PROMOTIONAL MATERIALS	500.00
6110 TREE STOCK	21,000.00
6111 TREE PLANTING WAGES	7,000.00
6112 TREE PLANTING GAS/MILEAGE	500.00
6113 TREE PLANTING REPAIRS	400.00

**LINCOLN CONSERVATION DISTRICT
BOARD OF SUPERVISORS MEETING
220 N Howard Street
Canton, SD 57013**

Supervisors Present:

Lorin Brass-Chairman
Gregg Huffman- Vice Chairman
Gene Thormodsgaard-Treasurer
Jim Klinghagen

Others Present:

Sean Newberg-Manager
Jack Majores-Vermillion-Big Sioux

January 22, 2019

Brass called the meeting to order at 6:00pm at the Canton NRCS office.

A motion to approve the minutes of the December minutes and the evenings agenda was made by Thomodsgaard and seconded by Klinghagen . Motion approved.

A period of public comment was opened. There being none, the meeting was conducted according to posted agenda.

Jack Majores introduced himself and spoke about cover crops, NOLO, and Nine Mile Creek watershed.

District Supervisors provided short updates in their areas.

Ruesch provided copies of his activity report but was not present to discuss.

Office Manager Report-Grass seeding update was discussed and a motion was passed to offer \$20,000.00 for a used drill. Sean is to look into the tractor lease.

The board went into Executive session from 8-8:10. Sean Newberg was offered the District Manager position which included benefits. He accepted.

Meeting adjourned at 8:20pm. The next meeting will be February 19th at 6:00pm at the NRCS office in Canton.

Yours in Conservation,
Sean Newberg
District Manager



THIS PAGE FOR DEPARTMENT USE ONLY

CERTIFICATION OF COMMISSION ACTION ON LOAN:

Approved Revolving Loan	Approved Conservation Tillage
\$ _____	\$ _____
Disapproved Revolving Loan	Disapproved Conserv. Tillage

Conservation Commission Chairman

Date

CERTIFICATION OF DEPARTMENT ACTION ON CONSERVATION TILLAGE LOAN:

Approved Conservation Tillage
\$ _____
Disapproved Conservation Tillage

Administrator

Date



Haakon County Conservation District

409 N. Wray Ave
PO Box 130
Philip, SD 57567

(605)859-2186 ext. 3
hccd@goldenwest.net

Website: sdconservation.org/haakoncd

April 4, 2019

Brian Scott
SD Dept. of Agriculture
Division of Resource Conservation & Forestry
523 East Capitol Avenue
Pierre, SD 57501

RE: Shelterbelt Grant #2019-CSW-015

Dear Brian Scott,

Haakon County Conservation District is requesting a 1 year extension for our Shelterbelt Grant. We currently have 1 shelterbelt project awaiting approval under the grant (Project #1). This project was originally to be planted this spring, however due his wife's serious illness and recovery period last fall; he was unable to get the ground worked. The forester will not approve plans on any site for which the ground was not worked in the fall prior to planting, and this practice also greatly improves tree survivability. This particular producer wants to do everything correctly, and will be working his ground by fall in order to plant trees in 2020, subject to the grant extension being awarded.

We also have another producer who recently expressed interest in grant funding available for a shelterbelt in the spring of 2020, whose project is sizeable enough to use up most of the remaining balance on the grant.

Appropriation of funding:

Project Name	Practice		Grant Funds	Other Funds
Project #1	Shelterbelt	1000 feet	\$495.36	\$743.04
Proposed Project #2	Shelterbelt	1750 feet	\$828.63	\$1012.77
		Totals:	\$1323.99	\$1755.81
		Remaining Grant Funds:	\$42.01	

Thank you for your consideration of our extension request.

Sincerely,

Dusti Berry

Manager
Haakon Co. Conservation District





JONES COUNTY CONSERVATION DISTRICT
806 WEST FIFTH STREET - PO BOX 298
MURDO, SD 57559
Phone: 605-669-2404 ext. 3

March 1, 2019

Brian Scott
 SD Department of Agriculture
 Resource Conservation & Forestry
 523 East Capitol Avenue
 Pierre, SD 57501

RE: Multi Practice Grant VI

Dear Brian,

Jones County Conservation District and American Creek Conservation District would like to request a one-year extension to allow for the completion of projects.

We rely on NRCS to provide technical service for these practices, the District Conservationist of Murdo was acting programs director from the first part of March to mid-September with Kennebec office as the acting office for Murdo. NRCS staff was stretched thin in our areas. In July the technician that designs the pipeline and tanks (for both counties) retired therefore leaving the bigger projects unable to be designed for a time being, there will also be a learning curve with the hiring of new staff. We were affected on the planning purposes with the shutdown as NRCS had to prioritize their projects, CTA General was and still is a low priority.

Producer	Project	Estimated Grant Funds	Status of Project
Anker/ Snyder	Pipeline and tank	\$3109.50	Field work done, needs a design
Les Horsley	Grass Seeding	\$600.00	WW breaking down/plan to plant in spring of 2019
Kenneth Schindler	Pipeline and tank	\$3607.20	Field work done needs a design
Robert Fuoss (1)	Pipeline and rural water hookup	\$2073.15	Field work done, needs a design
Dave and Betty Zolnowsky	Pipeline, tank and rural water hookup	\$3780.00	Field work done, needs a design
Faye Scott	Pipeline and tank	\$4665.60	Field work done needs a design
Robert Fuoss (2)	Pipeline and Tank	\$1215.00	Field work done needs a design
Allocated Funds		\$20000.00	
Remaining Funds		\$949.55	

Thank you for your time and consideration on this request.

Sincerely,

Valerie Feddersen
 District Manager
 Jones County Conservation District

<u>Applic #</u>	<u>District</u>	<u>Project Title</u>	<u>Project Start</u>	<u>Project End</u>	<u>Approved Amt</u>	<u>Total Project</u>	<u>Payment Amount</u>	<u>Other Spent</u>	<u>Leverage</u>	<u>Reverted \$</u>
201617	JACKSON	SHELTERBELT ESTABLISHMENT/RENO	01/01/2016	12/31/2017	\$13,518.00	\$26,844.00	\$13,516.12	\$17,167.31	\$1.27	\$0.00
201618	JONES	MULTI-PRACTICE IV	01/01/2016	12/31/2017	\$20,000.00	\$70,267.00	\$20,000.00	\$49,349.39	\$2.47	\$0.00
201619	JONES	SHELTERBELT ESTABLISHMENT/RENO	01/01/2016	12/31/2018	\$18,621.00	\$48,154.00	\$12,904.97	\$18,227.17	\$1.41	\$0.00
201620	MELLETTE	TREES & HEALTHY SOILS	01/01/2016	06/30/2017	\$10,000.00	\$60,500.00	\$10,000.00	\$11,070.85	\$1.11	\$0.00
201621	MINER	CONSERVATION EDUCATION	01/01/2016	12/31/2016	\$3,000.00	\$6,000.00	\$2,892.10	\$3,874.61	\$1.34	\$107.90
201622	MINNEHAHA	SHELTERBELT RENOVATIONS	07/01/2016	06/30/2017	\$17,103.00	\$68,413.00	\$4,178.70	\$16,054.21	\$3.84	\$0.00
201623	PERKINS	NWAREA NAT RES SPEC	01/01/2016	06/30/2017	\$52,000.00	\$141,104.00	\$41,625.48	\$48,719.96	\$1.17	\$0.00
201624	Roberts	Shelterbelts	01/01/2016	12/31/2018	\$10,997.00	\$30,594.00	\$10,518.34	\$17,956.49	\$1.71	\$0.00
201625	SANBORN	SANBORN/JERAULD SHELTERBELT	01/01/2016	06/30/2016	\$10,000.00	\$20,408.16	\$10,000.00	\$34,796.76	\$3.48	\$0.00
201626	BRULE-BUFF	MO COTEAU MANAGED GRAZING	07/01/2016	12/31/2017	\$31,500.00	\$103,000.00	\$31,000.02	\$131,971.94	\$4.26	\$0.00
201627	Charlies Mix	Brush Management	07/01/2016	06/30/2018	\$36,500.00	\$75,000.00	\$31,575.00	\$31,762.50	\$1.01	\$0.00
201628	CUSTER	THINNING HEALTHY FOREST 3	07/01/2016	06/30/2017	\$20,700.00	\$41,400.00	\$20,358.75	\$21,051.97	\$1.03	\$0.00
201629	DAVISON	BRUSH MANAGEMENT	07/01/2016	06/30/2017	\$11,500.00	\$21,500.00	\$7,391.25	\$11,373.75	\$1.54	\$0.00
201630	Haakon	Water Quality Development	07/01/2016	12/31/2017	\$25,000.00	\$51,000.00	\$14,257.02	\$62,832.78	\$4.41	\$0.00
201631	HAMLIN	PASTURE PIPE FOR WQ	07/01/2016	12/31/2016	\$12,226.00	\$40,597.00	\$298.90	\$697.40	\$2.33	\$11,927.10
201632	KINGSBURY	CONSERVATION EDUCATION	07/01/2016	06/30/2017	\$1,170.00	\$3,780.00	\$736.92	\$736.92	\$1.00	\$0.00
201633	KINGSBURY	COVER CROP	07/01/2016	12/31/2017	\$4,250.00	\$8,350.00	\$4,100.00	\$8,328.23	\$2.03	\$150.00
201634	LAWRENCE	ASPEN REGENERATION	07/01/2016	12/31/2018	\$42,000.00	\$82,000.00	\$4,765.63	\$23,431.26	\$4.92	\$0.00
201635	MCPHERSON	N MO GRASSLAND PROJECT II	07/01/2016	12/31/2017	\$20,000.00	\$64,667.00	\$19,999.47	\$102,580.78	\$5.13	\$0.00
201636	MINER	CONSERVATION PRACTICES	07/01/2016	12/31/2017	\$16,126.00	\$32,252.00	\$16,126.00	\$24,981.62	\$1.55	\$0.00
201637	Miner	Pilot Project	07/01/2016	06/30/2018	\$7,500.00	\$27,900.00	\$2,339.50	\$14,608.81	\$6.24	\$0.00
201638	POTTER	SD PUBLIC AWARENESS	07/01/2016	12/31/2017	\$5,400.00	\$10,800.00	\$5,400.00	\$8,806.44	\$1.63	\$0.00
201639	YANKTON	NATURAL RESOURCES	07/01/2016	06/30/2017	\$12,000.00	\$37,444.00	\$2,192.38	\$13,474.44	\$6.15	\$0.00
201701	BEADLE	SHELTERBELT PROGRAM	01/01/2017	12/31/2017	\$17,756.00	\$35,712.00	\$9,238.10	\$13,354.59	\$1.45	\$0.00
201702	Beadle	Soil Health Cover Crops	01/01/2017	12/31/2018	\$13,475.00	\$26,800.00	\$8,795.47	\$11,969.47	\$1.36	\$0.00
201703	Beadle	Shelterbelt Renovation	01/01/2017	06/30/2018	\$13,000.00	\$28,243.00	\$1,904.36	\$1,874.36	\$0.98	\$0.00

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201704	BENNETT	BENNETT BADLANDS TREE PLANTING	01/01/2017	06/30/2017	\$16,000.00	\$33,228.00	\$8,449.14	\$7,817.34	\$0.93	\$0.00
201705	Bon Homme	Conservation Enhancement	01/01/2017	06/30/2019	\$26,450.00	\$72,800.00	\$19,040.90	\$30,943.12	\$1.63	\$0.00
201706	BRULE-BUFF	SHELTERBELT RENOVATION	01/01/2017	06/30/2018	\$32,700.00	\$70,500.00	\$32,699.98	\$41,854.86	\$1.28	\$0.00
201707	BUTTE	BELLE FOURCHE WEED REHAB #5	01/01/2017	12/31/2017	\$35,000.00	\$100,000.00	\$35,000.00	\$46,487.89	\$1.33	\$0.00
201708	BUTTE	ENVIROTHON	01/01/2017	12/31/2017	\$20,000.00	\$197,840.00	\$19,997.27	\$47,925.19	\$2.40	\$0.00
201709	BUTTE	OPEN DITCH IRRIGATION	01/01/2017	12/31/2017	\$25,000.00	\$50,000.00	\$21,892.60	\$37,035.70	\$1.69	\$0.00
201710	Clark	Shelterbelts	01/01/2017	06/30/2019	\$22,000.00	\$42,000.00	\$11,984.70	\$14,426.43	\$1.20	\$0.00
201711	CODINGTON	TREE PLANTING	01/01/2017	06/30/2017	\$4,765.00	\$14,678.00	\$2,599.37	\$6,628.53	\$2.55	\$0.00
201712	DAVISON	TREE PLANTING	01/01/2017	12/31/2017	\$12,000.00	\$24,000.00	\$11,712.16	\$13,686.16	\$1.17	\$0.00
201713	DAY	NE GLACIAL LAKES	07/01/2017	06/30/2018	\$25,000.00	\$250,095.00	\$12,574.23	\$23,124.83	\$1.84	\$0.00
201714	Edmunds	Northern Coteau Rangelands	01/01/2017	12/31/2018	\$44,500.00	\$142,500.00	\$23,093.50	\$77,064.07	\$3.34	\$0.00
201715	Hanson	Cover Crops	01/01/2017	12/31/2017	\$9,980.00	\$19,960.00	\$9,980.00	\$10,957.30	\$1.10	\$0.00
201716	Jackson	2016 Cottonwood Fire Recovery	01/01/2017	06/30/2019	\$25,000.00	\$46,750.00	\$6,878.56	\$14,325.13	\$2.08	\$0.00
201717	Jerauld	Shelterbelt Establishment	01/01/2017	06/30/2018	\$20,000.00	\$37,391.00	\$13,914.45	\$13,222.65	\$0.95	\$0.00
201718	Jones	Multi-Practices	01/01/2017	12/31/2018	\$22,655.00	\$74,215.00	\$11,001.42	\$41,383.08	\$3.76	\$0.00
201719	Marshall	Technician	01/01/2017	12/31/2019	\$4,680.00	\$9,360.00	\$3,126.88	\$3,126.87	\$1.00	\$0.00
201720	MELLETTTE	2017 MC TREES	01/01/2017	06/30/2018	\$20,000.00	\$40,000.00	\$19,999.99	\$23,737.96	\$1.19	\$0.00
201721	Mellette	Cover Crop	01/01/2017	06/30/2019	\$2,600.00	\$5,500.00	\$1,491.20	\$2,945.97	\$1.98	\$0.00
201722	MELLETTTE	RANCHERS WORKSHOP	01/01/2017	06/30/2017	\$1,000.00	\$3,250.00	\$1,000.00	\$1,250.00	\$1.25	\$0.00
201723	Miner	East Central Range Stewardship	01/01/2017	12/31/2018	\$52,500.00	\$162,500.00	\$48,993.86	\$133,254.54	\$2.72	\$0.00
201724	Miner	Conservation Education	01/01/2017	12/31/2017	\$2,500.00	\$5,000.00	\$1,681.01	\$2,255.26	\$1.34	\$0.00
201725	Minnehaha	Wildlife Habitat	01/01/2017	12/31/2018	\$12,480.00	\$44,027.00	\$0.00			\$0.00
201726	Sanborn	Conservation Practices	01/01/2017	12/31/2018	\$22,000.00	\$54,820.00	\$16,813.82	\$46,935.01	\$2.79	\$0.00
201727	TODD	2017 TC TREES	01/01/2017	06/30/2018	\$20,000.00	\$40,000.00	\$20,000.01	\$30,789.66	\$1.54	\$0.00
201728	Todd	Multi-Practices	01/01/2017	06/30/2018	\$40,000.00	\$118,025.00	\$39,152.32	\$96,223.18	\$2.46	\$0.00
201729	Brule-Buffalo	Brush Management III	07/01/2017	06/30/2018	\$15,000.00	\$29,000.00	\$9,745.00	\$14,195.00	\$1.46	\$0.00

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201730	CUSTER	THINNING FOR HEALTHIER FOREST	07/01/2017	06/30/2018	\$20,000.00	\$40,000.00	\$20,000.00	\$46,922.06	\$2.35	\$0.00
201731	DAVISON	MULTI-CO BRUSH MGMT	07/01/2017	06/30/2018	\$11,500.00	\$21,500.00	\$5,383.14	\$5,383.11	\$1.00	\$0.00
201732	Gregory	Shelterbelt Renovation	07/01/2017	06/30/2019	\$15,000.00	\$30,000.00	\$2,915.05	\$5,994.40	\$2.06	\$0.00
201733	Hamlin	Outreach & Promotion	07/01/2017	12/31/2017	\$6,200.00	\$12,400.00	\$6,041.45	\$6,387.04	\$1.06	\$0.00
201734	Hamlin	Pasture Pipe for WQ #2	07/01/2017	06/30/2018	\$12,846.00	\$42,797.00	\$10,626.56	\$35,114.07	\$3.30	\$0.00
201735	Hyde	Hyde/Hand Enhancements 5	07/01/2017	06/30/2019	\$25,000.00	\$48,980.00	\$15,524.09	\$26,828.80	\$1.73	\$0.00
201736	Kingsbury	Conservation Education	07/01/2017	06/30/2018	\$1,170.00	\$3,780.00	\$675.86	\$696.86	\$1.03	\$0.00
201737	Kingsbury	Shelterbelt Renovation	07/01/2017	06/30/2018	\$20,000.00	\$60,000.00	\$4,496.81	\$6,221.42	\$1.38	\$0.00
201738	McCook	Shelterbelts	07/01/2017	06/30/2018	\$10,000.00	\$20,000.00	\$8,439.86	\$12,963.81	\$1.54	\$0.00
201739	Mellette	Multi-practice	07/01/2017	12/31/2018	\$28,000.00	\$83,500.00	\$16,597.00	\$59,370.54	\$3.58	\$0.00
201740	Perkins	NW Area Specialist	07/01/2017	06/30/2018	\$34,888.00	\$73,777.00	\$18,127.30	\$20,530.64	\$1.13	\$0.00
201741	Union	Tree/Fabric Expansion	07/01/2017	06/30/2018	\$5,589.44	\$13,876.92	\$0.00			\$0.00
201742	Union	Cover Crops development	07/01/2017	06/30/2018	\$10,000.00	\$18,695.65	\$0.00			\$0.00
201801	Beadle	Shelterbelts	01/01/2018	12/31/2018	\$14,000.00	\$35,067.00	\$11,215.21	\$15,448.16	\$1.38	\$0.00
201802	BEADLE	WATER QUALITY FOR LIVESTOCK	01/01/2018	12/31/2018	\$22,000.00	\$79,839.00	\$16,124.97	\$38,425.10	\$2.38	\$0.00
201803	Beadle	Soil Health	01/01/2018	12/31/2018	\$3,125.00	\$31,525.00	\$1,770.00	\$2,517.10	\$1.42	\$0.00
201804	BENNETT	BENNETT/BADLANDS TREE PLANTING	01/01/2018	12/31/2018	\$30,000.00	\$63,036.00	\$23,190.31	\$22,054.55	\$0.95	\$0.00
201805	BUTTE	BUTTE WEED REHAB 6	01/01/2018	12/31/2018	\$5,000.00	\$30,000.00	\$5,000.00			\$0.00
201806	BUTTE	Envirothon	01/01/2018	12/31/2018	\$20,000.00	\$125,000.00	\$19,627.64	\$21,236.00	\$1.08	\$0.00
201807	BUTTE	LIVESTOCK WATER DEVELOPMENTS	01/01/2018	12/31/2018	\$20,000.00	\$76,500.00	\$20,000.00	\$64,123.96	\$3.21	\$0.00
201808	Charles Mix	Shelterbelt	01/01/2018	12/31/2019	\$15,000.00	\$31,920.00	\$7,955.66	\$7,955.66	\$1.00	\$0.00
201809	Davison	Cover Crop/Grazing	07/01/2018	12/31/2019	\$16,000.00	\$32,000.00	\$10,076.84	\$17,352.56	\$1.72	\$0.00
201810	Davison	Grazing Management	01/01/2018	12/31/2019	\$52,500.00	\$177,500.00	\$25,682.18	\$82,126.90	\$3.20	\$0.00
201811	Davison	Tree Planting	01/01/2018	12/31/2018	\$10,000.00	\$20,000.00	\$9,524.20	\$9,524.20	\$1.00	\$0.00
201812	Day	NE Glacial Lakes	07/01/2018	06/30/2019	\$25,000.00	\$385,105.00	\$5,709.35	\$87,681.68	\$15.36	\$0.00
201813	Douglas	Tree and Fabric Project	01/01/2018	06/30/2019	\$12,319.98	\$24,639.96	\$0.00			\$0.00

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201814	Gregory	County Projects 4	01/01/2018	12/31/2018	\$55,000.00	\$110,000.00	\$35,708.36	\$54,301.77	\$1.52	\$0.00
201815	Hamlin	Shelterbelt Renovation	01/01/2018	06/30/2019	\$14,477.00	\$42,780.00	\$4,342.44	\$23,990.17	\$5.52	\$0.00
201816	Hamlin	SDACDE Cons. Promotion	01/01/2018	12/31/2018	\$6,200.00	\$12,400.00	\$6,200.00	\$7,293.98	\$1.18	\$0.00
201817	Hamlin	Prairie Coteau Washed Enhancement	01/01/2018	12/31/2019	\$40,000.00	\$152,500.00	\$5,835.71	\$18,208.31	\$3.12	\$0.00
201818	Hanson	Shelterbelts	01/01/2018	06/30/2019	\$9,000.00	\$18,000.00	\$5,208.22	\$5,375.52	\$1.03	\$0.00
201819	Jones	Multi-Practice VI	01/01/2018	06/30/2019	\$20,000.00	\$72,667.00	\$0.00			\$0.00
201820	Marshall	Multi-purpose Conservation	01/01/2018	12/31/2019	\$75,000.00	\$245,315.00	\$38,933.68	\$69,906.83	\$1.80	\$0.00
201821	Mellette	MC Tree Grant	01/01/2018	06/30/2019	\$15,000.00	\$30,000.00	\$4,839.63	\$7,102.23	\$1.47	\$0.00
201822	Miner	Conservation Workshop & Ed	01/01/2018	12/31/2018	\$1,000.00	\$2,000.00	\$1,000.00	\$3,924.90	\$3.92	\$0.00
201823	Miner	Conservation Practices	01/01/2018	12/31/2018	\$10,000.00	\$20,997.00	\$10,000.00	\$12,329.07	\$1.23	\$0.00
201824	Moody	Shelterbelt Renovation	01/01/2018	12/31/2019	\$14,875.00	\$44,497.00	\$0.00			\$0.00
201825	Perkins	NW Area Tree Planting	01/01/2018	12/31/2019	\$30,000.00	\$87,628.00	\$4,375.31	\$6,179.82	\$1.41	\$0.00
201826	Roberts	Cons. Ed & Public Awareness	01/01/2018	12/31/2018	\$2,500.00	\$5,000.00	\$2,344.32	\$2,344.32	\$1.00	\$0.00
201827	Sanborn	Conservation Education	01/01/2018	12/31/2018	\$2,000.00	\$4,000.00	\$0.00			\$0.00
201828	Brule-Buffalo	Shelterbelt Renovation	07/01/2018	12/31/2019	\$15,000.00	\$31,000.00	\$2,284.08	\$7,152.71	\$3.13	\$0.00
201829	Brule-Buffalo	Brush Management	07/01/2018	12/31/2019	\$7,000.00	\$14,000.00	\$6,502.50	\$6,777.50	\$1.04	\$0.00
201830	Charles Mix	Brush Management	07/01/2018	12/31/2019	\$15,000.00	\$31,000.00	\$0.00			\$0.00
201831	Custer	Thinning for Healthy Forest	07/01/2018	06/30/2019	\$10,000.00	\$20,000.00	\$3,660.00	\$3,660.00	\$1.00	\$0.00
201832	Davison	Multi-county Brush Mgmt	07/01/2018	06/30/2019	\$11,500.00	\$21,500.00	\$894.37	\$894.38	\$1.00	\$0.00
201833	Deuel	Tree Planting	01/01/2019	06/30/2019	\$2,500.00	\$5,000.00	\$0.00			\$0.00
201834	Hamlin	Hamlin/Codington Trees	07/01/2018	06/30/2019	\$11,459.00	\$25,172.00	\$0.00			\$0.00
201835	Hanson	Cover Crops	07/01/2018	12/31/2018	\$10,000.00	\$21,800.00	\$10,000.00	\$15,209.89	\$1.52	\$0.00
201836	Hughes	Tree Initiative	07/01/2018	06/30/2019	\$15,000.00	\$33,937.00	\$0.00			\$0.00
201837	Hyde	Hyde/Hand Enhancement 6	07/01/2018	06/30/2020	\$10,000.00	\$20,428.00	\$0.00			\$0.00
201838	Lake	Soil Health/Tree Planting	07/01/2018	12/31/2019	\$15,000.00	\$37,409.00	\$0.00			\$0.00
201839	Pennington	Thinning for Healthy Forest	07/01/2018	06/30/2020	\$12,299.00	\$24,598.00	\$0.00			\$0.00
201840	Perkins	NW Area Specialist	07/01/2018	12/31/2018	\$15,000.00	\$30,000.00	\$10,650.14	\$15,963.76	\$1.50	\$0.00

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201901	Beadle	Water Quality	01/01/2019	12/31/2019	\$15,000.00	\$50,457.00	\$0.00	\$0.00		\$0.00
201902	Beadle	Shelterbelts	01/01/2019	12/31/2019	\$5,000.00	\$13,170.00	\$0.00	\$0.00		\$0.00
201903	Bennett	Tree Planting	01/01/2019	12/31/2019	\$10,000.00	\$22,105.00	\$0.00	\$0.00		\$0.00
201904	Brule-Buffalo	Central SD Grazing Mgmt	01/01/2019	12/31/2020	\$52,500.00	\$177,500.00	\$0.00	\$0.00		\$0.00
201905	Brule-Buffalo	Renovations	01/01/2019	06/30/2020	\$10,000.00	\$20,000.00	\$0.00	\$0.00		\$0.00
201906	Butte	Envirothon Outreach & Ed	01/01/2019	12/31/2019	\$20,000.00	\$135,000.00	\$0.00	\$0.00		\$0.00
201907	Butte	Open Irrigation ditch to pipe	01/01/2019	12/31/2019	\$15,000.00	\$30,000.00	\$0.00	\$0.00		\$0.00
201908	Charles Mix	Shelterbelts	01/01/2019	12/31/2020	\$15,000.00	\$34,000.00	\$0.00	\$0.00		\$0.00
201909	Clark	Tree Planting-Renovations	01/01/2019	06/30/2020	\$13,786.00	\$29,600.00	\$0.00	\$0.00		\$0.00
201910	Custer	Planting for Riparian Health	01/01/2019	06/30/2020	\$3,500.00	\$8,700.00	\$0.00	\$0.00		\$0.00
201911	Davison	Tree Planting	01/01/2019	12/31/2019	\$12,000.00	\$24,000.00	\$0.00	\$0.00		\$0.00
201912	Day	NE Glacial Lakes TA	01/01/2019	06/30/2020	\$26,290.00	\$197,990.00	\$0.00	\$0.00		\$0.00
201913	Edmunds	Northern Coteau Rangelands	01/01/2019	12/31/2020	\$20,000.00	\$112,000.00	\$0.00	\$0.00		\$0.00
201914	Gregory	Gregory Co Projects 5	01/01/2019	06/30/2020	\$20,000.00	\$40,000.00	\$0.00	\$0.00		\$0.00
201915	Haakon	Shelterbelts	01/01/2019	12/31/2019	\$1,366.00	\$4,182.00	\$0.00	\$0.00		\$0.00
201916	Hamlin	SDACDE Conservation Promotion	01/01/2019	12/31/2019	\$6,200.00	\$12,400.00	\$0.00	\$0.00		\$0.00
201917	Hamlin	Tree Plantings	01/01/2019	06/30/2020	\$15,000.00	\$37,030.00	\$0.00	\$0.00		\$0.00
201918	Hanson	Cover Crop	01/01/2019	12/31/2019	\$10,500.00	\$22,800.00	\$0.00	\$0.00		\$0.00
201919	Hughes	Tree Initiative	07/01/2019	06/30/2021	\$15,000.00	\$33,937.00	\$0.00	\$0.00		\$0.00
201920	Jerauld	Windbreaks Establishment	01/01/2019	12/31/2019	\$15,000.00	\$28,000.00	\$0.00	\$0.00		\$0.00
201921	Jones	Shelterbelt Establishment	01/01/2019	06/30/2020	\$15,000.00	\$30,000.00	\$0.00	\$0.00		\$0.00
201922	Kingsbury	Conservation Practices	01/01/2019	12/31/2020	\$15,000.00	\$30,000.00	\$0.00	\$0.00		\$0.00
201923	Marshall	Multi-purpose Conservation	01/01/2019	12/31/2020	\$35,000.00	\$138,317.00	\$0.00	\$0.00		\$0.00
201924	McCook	Shelterbelts	01/01/2019	12/31/2019	\$6,809.00	\$14,000.00	\$0.00	\$0.00		\$0.00
201925	McCook	Cover Crops	01/01/2019	12/31/2019	\$2,500.00	\$5,500.00	\$0.00	\$0.00		\$0.00
201926	Mellette	2019 Multi-practice	01/01/2019	06/30/2020	\$39,000.00	\$114,000.00	\$0.00	\$0.00		\$0.00
201927	Mellette	2019 MC Trees	01/01/2019	06/30/2020	\$15,000.00	\$30,000.00	\$0.00	\$0.00		\$0.00

<u>Applic #</u>	<u>District</u>	<u>Project Title</u>	<u>Project Start</u>	<u>Project End</u>	<u>Approved Amt</u>	<u>Total Project</u>	<u>Payment Amount</u>	<u>Other Spent</u>	<u>Leverage</u>	<u>Reverted \$</u>
201928	Miner	Soil Health Improvement	01/01/2019	12/31/2019	\$15,000.00	\$31,636.00	\$0.00			\$0.00
201929	Miner	Conservation Awareness	01/01/2019	12/31/2019	\$1,400.00	\$3,050.00	\$0.00			\$0.00
201930	Perkins	NW Area Tree Planting	01/01/2019	12/31/2019	\$36,000.00	\$91,885.64	\$0.00			\$0.00
201931	Perkins	NW Area Nat. Resource Spec	01/01/2019	12/31/2019	\$15,000.00	\$56,100.00	\$0.00			\$0.00
201932	Sanborn	Shelterbelts	01/01/2019	12/31/2019	\$8,673.00	\$16,346.00	\$0.00			\$0.00
201933	Todd	Tree Planting	01/01/2019	06/30/2020	\$12,500.00	\$25,000.00	\$0.00			\$0.00
Grand Total:					\$21,658,452.68	\$97,228,396.31	\$16,046,983.59	\$50,758,546.19	\$3.16	\$4,258,349.59

Leverage is \$3.60 (NOT including Big Sioux Nursery Grants of \$1,097,350.18)

ALL CAPS indicates project is complete

Number in (1) indicates how many districts are active co-sponsors



SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

RESOURCE CONSERVATION AND FORESTRY DIVISION

523 East Capitol Avenue
Pierre, SD 57501
Phone: 605.773.3623 Fax: 605.773.4003
sdda.sd.gov

GRANT APPLICATION FORM

Applicant Information

Organization: Beadle Conservation District Mailing Address: 1386 Lincoln Ave SW
Telephone: 605-352-2998 ext 3 City: Huron State: SD Zip: 57350
Tax Status: Tax Exempt

Project Contact

Project Officer: Robin Viestenz Telephone: 605-352-2998 ext 3
Fax: Email: beadlecd1@gmail.com

Project Information

Project Name: Baum Demonstration Farm
Start Date: 7/1/2019 End Date: 12/31/2020
Legal description: County Beadle
Township: T. 110 N. Range: R. 62 W.
Section: 35 Qtr: N1/2

Type of Grant

- Conservation Grant (checked) Community Forestry
Insect/Disease Invasive Species
Forest Stewardship Mountain Pine Beetle
Other (specify):

Financial Information

Grant funds requested: 15000 Partner contributions (total): 16680 Total project cost: 31680

Please give a brief, descriptive summary of the project (Use section D to provide project details)

Beadle Conservation District and Ducks Unlimited will establish a "soil health demonstration farm" on a 308-acre property three miles south of Huron. The farm will use regenerative agricultural practices and the five basic principles of soil health, including: (1) maintaining soil armor, (2) diversifying crop rotations, (3) maintaining a living root, (4) integrating livestock and (5) minimizing soil disturbance. The purpose of the farm will be to develop and demonstrate farming practices that improve both economic and environmental outcomes on farms and ranches. We believe these practices can improve farm profitability for South Dakota producers while also serving to enhance wildlife habitat, conserve soil and improve water quality. Funds from this grant will be used to help pay for costs associated with cover crop expenses while also providing funds to help defray costs associated with tours, field visits and soil health seminars associated with operation of the demonstration farm.

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature [Signature] Title BCD Chairman Date 3/1/2019
A copy of the state required W-9 form must be attached to this application.

OFFICE USE ONLY

Signature of Reviewer Title Date
Signature of Approval Title Date

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Cost" on page 1.

A. Operating Budget

1.	Salary/Benefits	4000.00	
2.	Travel		
3.	Contractual Services	17840.00	
4.	Supplies	9840.00	
5.	Equipment (list major equipment)		
6.	Consultation Services		
Total Project Costs		31680	This total must equal 31680

B. Activity Budget

	Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1.	Cover crops	6000			9680	15680
2.	Workshops/Tours	7000			3000	10000
3.						0
4.	Technical Assistance		4000			4000
5.	Administration	2000				2000
6.						0
7.						0
8.						0
Totals		15000	4000	0	12680	31680
This total must equal						31680

C. Project Partners

	Partners	Amount Cash	Amount In-Kind	Total
1.	Conservation Commission	15000		15000
2.	Beadle CD		4000	4000
3.	Ducks Unlimited	12680		12680
4.				0
5.				0
6.				0
7.				0
8.				0
Totals		27680	4000	31680
This total must equal				31680

Please mail application and attachments to the South Dakota Department of Agriculture.

D. PROJECT DESCRIPTION & NEED

Primary Beneficiaries

The purpose of the farm will be to develop and demonstrate farming practices that improve both economic and environmental outcomes on South Dakota farms and ranches.

Responsible for Implementation, Maintenance & Follow-up

Beadle Conservation District and Ducks Unlimited will be responsible for overseeing proper project implementation, any maintenance and ensuring the longevity of the project.

Location of Project

The project area is within Beadle County, in the James River Watershed

Environmental, natural resource, ecological, educational and socio-economic need

Today's farmers are facing tough conditions. Crop prices are low. Input costs are high. Soil health has been negatively impacted by decades of conventional farming techniques. Water quality concerns are common in South Dakota rivers and lakes. Wildlife habitat is limited in many areas. A need exists to help farmers modify their operations to reduce input costs, improve profitability, improve soil health, reduce erosion, improve water quality and enhance wildlife habitat.

Long Term Management

Ducks Unlimited currently owns the property but is working on a strategy to transfer ownership of the property to the Beadle Conservation District, who intends to operate the demonstration farm, with the assistance of DU and other partners, for many years to come.

Federal, State or Local Permits Required

Any permitting requirements will be met on a site-specific basis. Consideration for cultural resources and environmental impacts will be considered when in the planning phase of this project.

E. FINAL PRODUCTS

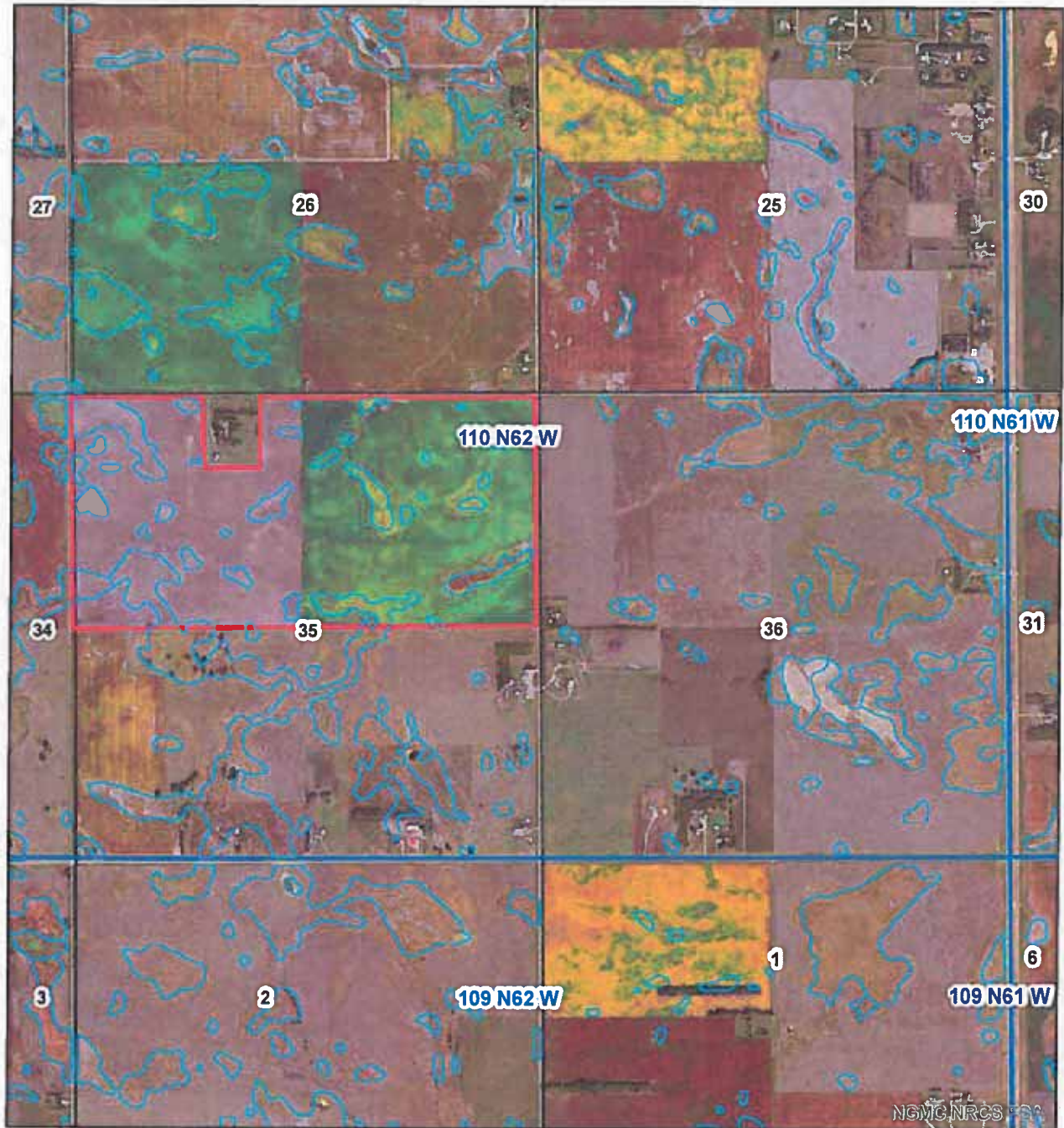
We believe this farm will help transform South Dakota agriculture in ways that improve profitability and diversity while also improving soil health, conserving and improving water quality, and benefiting wildlife.

F. PARTNER JUSTIFICATION





- Beadle Conservation District will be responsible for all aspects of the grant project. The 2019 Conservation Commission Approved Practices Costs and 2019 Conservation Commission Approved Cost-Share Percentages will be followed. The district will conform to the goals and objectives of this plan. The district will be responsible for the project management, marketing, technical assistance and evaluation of the project. Through in-kind services, the district will provide 100% of the technical service.
- Conservation Commission Grant will provide 50% cost-share for implementing the 5 soil health principles. The grant will also cover developing workshops and tours on the demonstration farm.
- Ducks Unlimited will be providing time and expertise in developing the property into a working, demonstration farm, and assisting with the workshops, tours and promotion of the project.

Beadle County Demonstration Farm

Location: N1/2 35-110-62



Legend

-  Wetlands
-  Demonstration farm
-  Townships
-  Sections

0 1,200 2,400 4,800
Feet





SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

RESOURCE CONSERVATION AND FORESTRY DIVISION

523 East Capitol Avenue
Pierre, SD 57501
Phone: 605.773.3623 Fax: 605.773.4003
sdda.sd.gov

GRANT APPLICATION FORM

Applicant Information

Organization: Brule-Buffalo Conservation District Mailing Address: 200 S Paul Gust Rd
Telephone: 605-734-5953 x3 City: Chamberlain State: SD Zip: 57325
Tax Status: Government

Project Contact

Project Officer: Tina DeHaai Telephone: 605-734-5953 x3
Fax: Email: tina.dehaai@sd.nacdnet.net

Project Information

Project Name: BBCD Brush Management Project
Start Date: 07/01/2019 End Date: 12/31/2020
Legal description: County
Township: Range:
Section: Qtr:

Type of Grant

- Conservation Grant (selected)
Community Forestry
Insect/Disease
Invasive Species
Forest Stewardship
Mountain Pine Beetle
Other (specify):

Financial Information

Grant funds requested: 31,000 Partner contributions (total): 31,000 Total project cost: 62,000

Please give a brief, descriptive summary of the project (Use section D to provide project details)

Brule-Buffalo Conservation District's goal is to restor invaded pasture areas back to native grasslands by making them more productive for livestock and wildlife. Producers in Brule-Buffalo and American Creek Conservation Districts will be able to stock more animals and acquire more acres out of their managed grazing systems.

This grant will assist producers to help remove invasive species so they can control much smaller invasive species.

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature Title Date

A copy of the state required W-9 form must be attached to this application.

SD EForm - 0549 V4

OFFICE USE ONLY

Signature of Reviewer Title Date
Signature of Approval Title Date

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Cost" on page 1.

A. Operating Budget

1. Salary/Benefits	2,000
2. Travel	
3. Contractual Services	60,000
4. Supplies	
5. Equipment (list major equipment)	
6. Consultation Services	

Total Project Costs 62,000 This total must equal 62,000

B. Activity Budget

Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1. Brush Management	30,000	30,000			<u>60,000</u>
2. Administration	1,000	1,000			<u>2,000</u>
3. _____					0
4. _____					0
5. _____					0
6. _____					0
7. _____					0
8. _____					0
Totals	<u>31,000</u>	<u>31,000</u>	0	0	<u>62,000</u>

This total must equal 62,000

C. Project Partners

Partners	Amount Cash	Amount In-Kind	Total
1. RC&F	31,000		<u>31,000</u>
2. BBCD		500	500
3. NRCS		500	500
4. Landowners	<u>30,000</u>		<u>30,000</u>
5. _____			0
6. _____			0
7. _____			0
8. _____			0
Totals	<u>61,000</u>	<u>1,000</u>	<u>62,000</u>

This total must equal 62,000

D. Project Description and Need

The primary beneficiaries will be the landowners on which property the brush management will take place. However, the project goals are to restore and improve grasslands that have been invaded by unwanted plant species (cedars being the primary species), improve soil health by increasing water infiltration into the soil profile and reducing soil erosion, and improve habitat for wildlife. The goals of the project will take place within the Brule-Buffalo, Aurora, and American Creek Conservation Districts. Joint Powers agreement in place for this practice with stated Conservation Districts.

The Brule-Buffalo Conservation District and Natural Resources Conservation Service (NRCS) will jointly implement the project. NRCS will develop Wildlife Habitat Appraisal Guide (WHAG), Prescribe Grazing Plan, and assist in what is the most beneficial area for removal of invasive species for each grazing unit. The prescribed grazing plan will state the rotation and deferred (rest) if needed for the grasslands.

Individual project locations will be located throughout the Brule-Buffalo, Aurora, and American Creek Conservation Districts.

With traditional livestock production remaining a primary landuse throughout the project area, our grassland restoration brush management project has opened a new revenue stream for Brule-Buffalo Conservation District. We have removed invasive plant species from cedars to suckering shrubs. We have returned to many of the sites to check for grass establishment in the litter area from the grinding process and found that there is excellent grass re- growth in these areas.

With the landowners that we have completed work for, we feel that we could double the amount of restored grasslands with some financial assistance. Landowner would be limited to 30 hours in which 15 hours are cost-sharable.

The area in which we would be covering has large amounts of native grasslands. These grasslands are not only for livestock but wildlife habitat. By controlling the invasive plant species, we will open more grasslands for grazing and wildlife food and cover.

E. Final Products

The project funding will allow a minimum of 15 landowners to develop more area for grazing and wildlife habitat.

F. Justification

Invasive plants have become a problem for most of the landowners in the project area. Brule-Buffalo would eradicate the invasive plant species (cedars being primary species) and restore grasslands.

G. Identify how you will measure the success of the project

The success will be measured by the restoration of grasslands acres in the project area for livestock and wildlife habitat.

UNAPPROVED MINUTES

February 20, 2019

Brule-Buffalo Conservation District

6:00 pm

Ag Service Building in Chamberlain, SD

Board Present:

Jack Freidel, Larry Wagner, Randy Knippling, Doug Feltman, James Lindley, Ryan Urban

Others Present:

Stacy Turgeon-USDA NRCS, Eric Weeman, Tina DeHaai, Chuck Pyle-USFWS, Steve Spawn-USFWS

Absent: Steve Reimer, Gerald Nepodal, Todd Priebe, LeRoy Ness, Marjean Warren, Abbey Randall

Randy Knippling- Chairman, called meeting to order at 6:00 pm.

Agenda:

Randy asked for a motion to accept the Agenda as circulated, Jack motioned, and Larry seconded. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Minutes:

Larry motioned to approve the January meeting minutes, seconded by Jack. No discussion, Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Treasurers Report:

Tina gave treasurer report for January. Randy asked for motioned to accept the Treasurers Report, Jack motioned and seconded by Larry. Discussion was made. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Accounts Payable:

Accounts were discussed totaling \$14,963.28 and unapproved check for January totaling \$10,486.76. Motion to pay bills totaling \$10,818.37 and January unapproved checks, by Larry and seconded by Jack. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Accounts Receivable:

Accounts receivables were discussed.

NRCS Report:

Stacy, DC had written report and discussion was made. Conservation Plans were discussed and reviewed by Board. Randy asked for a motion to approve signatures on eight conservation plans, Jack motioned and seconded by Larry. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Larry Report:

Nothing at this time

Managers' Report:

Eric reported: doing repairs and upkeep on vehicles and machinery

Office Report:

Tina reported: Great Western Bank needs signatures for financial business, Randy asked for a motion to approve signatures on Bank forms, Jack motioned and seconded by Larry. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried. Chuck Pyle and Steve Spawn explained the MOU with USFWS. Randy asked for a motion to approve signatures MOU with USFWS, Jack motioned and seconded by Larry. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried. Leadership will be held March 4-5 and Tina will do QuickBooks training on the 4th. Up for election is LeRoy Ness, Larry Wagner, and Steve Reimer. Izaak Walton award discussed. 6 out of 19 producers left for down payments. Handplants will be billed out March 1st. Safety Manual was reviewed by the Board. Randy asked for a motion to approve the Safety Manual be added to the Policy and Procedure Book, Larry motioned and seconded by Jack. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried. Burn Association annual meeting will be held on February 27th at 5pm at Bonesteele.

OLD BUSINESS

Grant with Burn Association:

Grant for deferment on cedars acres was reviewed and discussed. Randy asked for a motion to submit the Grant for deferment with the Mid-Missouri River Prescribed Burn Association, Larry motioned and seconded by Jack. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Farm & Home Show:

The farm & home show will be held at Cedar Shore February 22-24, Zach will be at booth on Sunday and Tina will take the other time slots.

Farmer/Rancher Banquet:

Randy, Jack, Doug and Larry discussed the program.

American Creek Trees & Fabric:

The Agreement with American Creek CD was returned.

NEW BUSINESS

Renovation Grant:

The renovation grant was reviewed and discussed. After this spring all the dollars will be used up in the two that are open. Randy asked for a motion to submit the Renovation Grant, Jack motioned and seconded by Larry. Vote: Larry Wagner-Yes, Jack Freidel-yes, Randy Knippling-yes. Motion Carried.

Brush Management Grant:

The brush management grant was reviewed and discussed. Randy asked for a motion to submit the Brush Management Grant, Jack motioned and seconded by Larry. Vote: Larry Wagner-Yes, Jack Freidel-yes, Randy Knippling-yes. Motion Carried.

Executive Session:

Not at this time

Next Meeting: Wednesday March 20, 2019 at 7:00 pm

Adjourn: Larry motioned to adjourn meeting, seconded by Jack. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Randy Knippling-Chairman

UNAPPROVED MINUTES

Minutes Respectfully Submitted

by: Tina DeHaai, Office Manager

UNAPPROVED



SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

RESOURCE CONSERVATION AND FORESTRY DIVISION

523 East Capitol Avenue
Pierre, SD 57501
Phone: 605.773.3623 Fax: 605.773.4003
sdda.sd.gov

GRANT APPLICATION FORM

Applicant Information

Organization: Brule-Buffalo Conservation District Mailing Address: 200 S Paul Gust Rd
Telephone: 60-734-5953 x3 City: Chamberlain State: SD Zip: 57325
Tax Status: Government

Project Contact

Project Officer: Tina DeHaai Telephone: 605-734-5953 x3
Fax: Email: tina.dehaai@sd.nacdnet.net

Project Information

Project Name: Brule-Buffalo/American Creek Renovation Project
Start Date: 07/01/2019 End Date: 12/31/2020
Legal description: County
Township: Range:
Section: Qtr:

Type of Grant

- Conservation Grant
Community Forestry
Insect/Disease
Invasive Species
Forest Stewardship
Mountain Pine Beetle
Other (specify):

Financial Information

Grant funds requested: \$34,500 Partner contributions (total): \$42,000 Total project cost: 76.5

Please give a brief, descriptive summary of the project (Use section D to provide project details)

Brule-Buffalo (BBCD) and American Creek (ACCD) Conservation Districts are working together to protect soils from wind and water erosion and improve protection for livestock and wildlife. With re-establishing belts will help wildlife by improving habitat, food, and protection. Technical assistance will be provided to the landowner by BBCD, ACCD, NRCS, and Area Forester. BBCD will administer the grant.

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature Title Date

A copy of the state required W-9 form must be attached to this application.

OFFICE USE ONLY

Signature of Reviewer Title Date

Signature of Approval Title Date

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Cost" on page 1.

A. Operating Budget

1.	Salary/Benefits	2,000	
2.	Travel		
3.	Contractual Services	74,500	
4.	Supplies		
5.	Equipment (list major equipment)		
6.	Consultation Services		
Total Project Costs		76.5	This total must equal <u>76.5</u>

B. Activity Budget

Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1. Renovation	8500	11,000			<u>19,500</u>
2. Woody Habitat	10,000	15,000			<u>25,000</u>
3. Fabric	15,000	15,000			<u>30,000</u>
4. Administration	1,000		1,000		<u>2,000</u>
5. _____					0
6. _____					0
7. _____					0
8. _____					0
Totals	<u>34,500</u>	<u>41,000</u>	<u>1,000</u>	0	<u>76,500</u>
This total must equal					<u>76,500</u>

C. Project Partners

Partners	Amount Cash	Amount In-Kind	Total
1. RC&F	34,500		<u>34,500</u>
2. Brule-Buffalo CD		800	800
3. American Creek CD			0
4. NRCS		200	200
5. Landowner	41,000		<u>41,000</u>
6. _____			0
7. _____			0
8. _____			0
Totals	<u>75,500</u>	1000	<u>76,500</u>
This total must equal			<u>76,500</u>

Please mail application and attachments to the South Dakota Department of Agriculture.

Brule-Buffer Conservation District Project:

This proposed Multi-Purpose Shelterbelt project will complete 20 acres of shelterbelt planting that will benefit the natural resource management for 15 producers/landowners and benefit the economy of Lyman, Brule and Buffalo Counties. These benefits include improvement of surface water quality, erosion control on cropland, livestock protection to support proper grassland management, and wildlife habitat creation. Shelterbelt plantings supported by this projects cost-share will be for plantings that serve critical farm natural resource management needs.

The Brule-Buffer Conservation District will be responsible for all phases of project: implementation, follow-up, and administration. Shelterbelt plantings will be designed by existing technical assistance providers to include Brule-Buffer and American Creek Conservation District. All shelterbelt designs will be reviewed and approved by the SD Dept of Ag Area Forester prior to the District's approval of practice. Shelterbelt planning and maintenance requirements will be based of the NRCS Tech Guide for tree plantings. Landowners receiving financial assistance will be monitored and BBCD will identify maintenance requirements. BBCD will be responsible for completing annual follow-up shelterbelts planted under this project, by spot checking each site planted.

Many Landowners, farmer, and rancher in Lyman, Brule and Buffalo Counties do not qualify for financial assistance for shelterbelt plantings from federal and state cost-share programs, because their needed shelterbelts are:

- 1 Shelter belt Renovation for deteriorated shelterbelts is included in the project
- 2 Located on cropland (not eligible for cropland)
- 3 Their planned shelterbelt has natural resource benefits such as erosion control, wildlife habitat, and water quality improvement; however, it does not meet the size, location, requirements or ranking needed for cost-share.

This proposed project is a demand for shelterbelts and assistance for landowner/producers. We have a list of producers that are seeking these practices at this time. Producers/landowners who participate in the proposed project will be required to prepare their sites before tree planting and seek approval for cost-share prior to site preparation. This needed lead time for site preparation is the reason this project is proposed for 1 ½ years.

The shelterbelts to be planted are needed to conserve the counties natural resources as they are an important conservation practice used by landowners/producers to:

- 1 Protect and/or improve the waters to provide needed water quality and quantity, Shelterbelt plantings support clean water for people, fish, and wildlife by filtering out and/or absorbing sediment, nutrients, and chemical or bacterial contaminants.
- 2 protect or improve soil productivity and quality. Shelterbelts protect soils from wind and water erosion.
- 3 Improve wildlife habitat for game and non-game species. Shelterbelts are significant area for resident as well as migratory bird for food, nesting and cover, and provide important habitat for game species – such as deer and upland game birds.

4 Improve qualities of old shelterbelts by renovation with planting trees where they have died out.

The shelterbelts to be planted under this proposed project are also very significant from an economic and social aspect to Lyman, Brule and Buffalo Counties, as they are important to the overall economic success of the counties crop and livestock producers. The sustainability of livestock producers and the grasslands they manage are significantly impacted by the use of shelterbelts to reduce feed costs and calf death losses improved overall herd health, and implement planned grazing systems on grasslands. Shelterbelts also provided landowners/producers economic opportunities through diversification of their operations for recreation uses (aesthetics and wildlife habitat) and through reduced energy use and increased land values.

Project Goal: The project's goal is to provide technical and financial assistance to landowners in Brule and Buffalo Counties to plant 20 acres of shelterbelts on private land. Completion of this project will improve the counties natural resources and the sustainability of farm and ranch operations.

Project Objective: Reduce erosion, improve water quality, increase wildlife habitat, and increase the profitability of farm and ranch operations in Brule and Buffalo Counties by providing technical and financial assistance of at least 15 producers/landowners. This would establish 20 acres of new shelterbelts by June 30, 2017. Cost-share will be provided thru the Coordinated Natural Resources Conservation Grant and other costs will be provided as cash or in-kind by the landowner, Brule-Buffalo and American Creek Conservation District, and/or state or federal providers, which include: site preparation, producer labor and equipment, site design, replacement trees for death loss, follow-up, and fencing as needed.

Shelterbelts where assistance is provided will include field windbreaks, livestock windbreaks, wildlife windbreaks, riparian area plantings, and farmstead/livestock windbreaks. BBCD will set natural resource priorities and policy for this proposed project to assist in shelterbelt establishment. The District will make final decision on shelterbelts based on the resource priorities.

The completion of this project's goals and objective will provide the following products:

- Reduce sediment, nutrient, and bacterial pollution within drainage ways, streams, and shorelines
- Reduced wind or water erosion
- New and improved wildlife habitat
- Grassland and livestock management benefits to landowners
- Shelterbelt Renovation

The Brule-Buffalo Conservation District will be the lead project sponsor, and provide project management, and shelterbelt design and maintenance.

The Landowners will provide in-kind and cash matching for this project.

The Grant will provide cost-share on practices.

Other agencies: NRCS, State Forester will provide technical assistance

Success will be measured by:

- **Natural resource benefits such as bodies of water with improved water quality**
- **Natural resource benefits by acres of cropland, grassland, and wildlife habitat**
- **Landowners by the acres of shelterbelts planted**

UNAPPROVED MINUTES

February 20, 2019

Brule-Buffalo Conservation District

6:00 pm

Ag Service Building in Chamberlain, SD

Board Present:

Jack Freidel, Larry Wagner, Randy Knippling, Doug Feltman, James Lindley, Ryan Urban

Others Present:

Stacy Turgeon-USDA NRCS, Eric Weeman, Tina DeHaai, Chuck Pyle-USFWS, Steve Spawn-USFWS

Absent: Steve Reimer, Gerald Nepodal, Todd Priebe, LeRoy Ness, Marjean Warren, Abbey Randall

Randy Knippling- Chairman, called meeting to order at 6:00 pm.

Agenda:

Randy asked for a motion to accept the Agenda as circulated, Jack motioned, and Larry seconded. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Minutes:

Larry motioned to approve the January meeting minutes, seconded by Jack. No discussion, Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Treasurers Report:

Tina gave treasurer report for January. Randy asked for motioned to accept the Treasurers Report, Jack motioned and seconded by Larry. Discussion was made. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Accounts Payable:

Accounts were discussed totaling \$14,963.28 and unapproved check for January totaling \$10,486.76. Motion to pay bills totaling \$10,818.37 and January unapproved checks, by Larry and seconded by Jack. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Accounts Receivable:

Accounts receivables were discussed.

NRCS Report:

Stacy, DC had written report and discussion was made. Conservation Plans were discussed and reviewed by Board. Randy asked for a motion to approve signatures on eight conservation plans, Jack motioned and seconded by Larry. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Larry Report:

Nothing at this time

Managers' Report:

Eric reported: doing repairs and upkeep on vehicles and machinery

Office Report:

Tina reported: Great Western Bank needs signatures for financial business, Randy asked for a motion to approve signatures on Bank forms, Jack motioned and seconded by Larry. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried. Chuck Pyle and Steve Spawn explained the MOU with USFWS. Randy asked for a motion to approve signatures MOU with USFWS, Jack motioned and seconded by Larry. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried. Leadership will be held March 4-5 and Tina will do QuickBooks training on the 4th. Up for election is LeRoy Ness, Larry Wagner, and Steve Reimer. Izaak Walton award discussed. 6 out of 19 producers left for down payments. Handplants will be billed out March 1st. Safety Manual was reviewed by the Board. Randy asked for a motion to approve the Safety Manual be added to the Policy and Procedure Book, Larry motioned and seconded by Jack. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried. Burn Association annual meeting will be held on February 27th at 5pm at Bonesteele.

OLD BUSINESS

Grant with Burn Association:

Grant for deferment on cedars acres was reviewed and discussed. Randy asked for a motion to submit the Grant for deferment with the Mid-Missouri River Prescribed Burn Association, Larry motioned and seconded by Jack. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Farm & Home Show:

The farm & home show will be held at Cedar Shore February 22-24, Zach will be at booth on Sunday and Tina will take the other time slots.

Farmer/Rancher Banquet:

Randy, Jack, Doug and Larry discussed the program.

American Creek Trees & Fabric:

The Agreement with American Creek CD was returned.

NEW BUSINESS

Renovation Grant:

The renovation grant was reviewed and discussed. After this spring all the dollars will be used up in the two that are open. Randy asked for a motion to submit the Renovation Grant, Jack motioned and seconded by Larry. Vote: Larry Wagner-Yes, Jack Freidel-yes, Randy Knippling-yes. Motion Carried.

Brush Management Grant:

The brush management grant was reviewed and discussed. Randy asked for a motion to submit the Brush Management Grant, Jack motioned and seconded by Larry. Vote: Larry Wagner-Yes, Jack Freidel-yes, Randy Knippling-yes. Motion Carried.

Executive Session:

Not at this time

Next Meeting: Wednesday March 20, 2019 at 7:00 pm

Adjourn: Larry motioned to adjourn meeting, seconded by Jack. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Randy Knippling-Chairman

UNAPPROVED MINUTES

Minutes Respectfully Submitted
by: Tina DeHaai, Office Manager

UNAPPROVED



SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

RESOURCE CONSERVATION AND FORESTRY DIVISION

523 East Capitol Avenue
Pierre, SD 57501
Phone: 605.773.3623 Fax: 605.773.4003
sdda.sd.gov

RECEIVED
FEB 22 2019
SD Dept. of Agriculture Pierre
Resource Conservation & Forestry

GRANT APPLICATION FORM

Applicant Information

Organization: Brule-Buffalo Conservation District Mailing Address: 200 S Paul Gust Rd
Telephone: 605-734-5953 x3 City: Chamberlain State: SD Zip: 57325
Tax Status: Government

Project Contact

Project Officer: Tina DeHaai Telephone: 605-734-5953 x3
Fax: _____ Email: tina.dehaai@sd.nacdnet.net

Project Information

Project Name: Burn Deferral (Pilot Program)
Start Date: 07/01/2019 End Date: 06/30/2021
Legal description: County _____
Township: _____ Range: _____
Section: _____ Qtr: _____

Type of Grant

- Conservation Grant Community Forestry
- Insect/Disease Invasive Species
- Forest Stewardship Mountain Pine Beetle
- Other (specify): _____

Financial Information

Grant funds requested: \$44,000 Partner contributions (total): \$44,000 Total project cost: \$88,000
Please give a brief, descriptive summary of the project (Use section D to provide project details)

The Burn Deferral Project will give rest on pasture land that will be or has been a Prescribed Burn with a plan produced by the Mid Missouri River Prescribed Burn Association and SDSU grant. The goal of this project will be giving 50% cost-share to assist Landowners in the deferral of their pasture that will sit idle in the following Conservation Districts: American Creek, Brule-Buffalo, Charles Mix, and Gregory County. Landowners will in-kind the grassland acres that will be burn and only get dollars on Cedar areas burned. Each Prescribed Burn Plan will also have a grazing management plan which will be assisted by NRCS. Brule-Buffalo will administer the grant with assistance from the other Cons Dist, MMRPBA, NRCS, and SDSU. If awarded, this will provide landowners an opportunity to have more acres for their managed grazing systems and improve the native grasslands that are under cedars.

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature [Signature] Title Supervisor Date 2-20-19

A copy of the state required W-9 form must be attached to this application.

SD EForm - 0549 V4

OFFICE USE ONLY

Signature of Reviewer _____ Title _____ Date _____
Signature of Approval _____ Title _____ Date _____

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Cost" on page 1.

A. Operating Budget

1.	Salary/Benefits	\$8000	
2.	Travel		
3.	Contractual Services	\$80,000	
4.	Supplies		
5.	Equipment (list major equipment)		
6.	Consultation Services		
Total Project Costs			This total must equal \$88,000

B. Activity Budget

	Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1.	Defer Land	\$40,000	\$40,000			\$80,000
2.	Administration	\$4000		\$4000		\$8000
3.						
4.						
5.						
6.						
7.						
8.						
Totals						
This total must equal						

C. Project Partners

	Partners	Amount Cash	Amount In-Kind	Total
1.	RC&F	\$44,000		\$44,000
2.	BBCD		\$1000	\$1000
3.	MMRPBA		\$1000	\$1000
4.	NRCS		\$1000	\$1000
5.	SDSU		\$1000	\$1000
6.	Landowners	\$40,000		\$40,000
7.				
8.				
Totals				
This total must equal				\$88,000

Please mail application and attachments to the South Dakota Department of Agriculture.

Application Organization Name: Brule-Buffalo Conservation District

D. Project Description and Need

The primary beneficiaries will be private landowners along the Missouri River corridor. Established cedar trees will be burned to allow natural recovery of the original herbaceous vegetation. The project goals are to improve range productivity and hydrologic processes by allowing more moisture to infiltrate into the soil increasing water storage and groundwater recharge. Reduced erosion, and high-quality wildlife habitat will result. Property values and rental rates can also benefit as the grassland becomes dominate again. This project will provide cost-share to assist producers to defer cedar infested grasslands before and/or after prescribed burn in the following Districts Gregory, American Creek, Charles Mix, and Brule-Buffalo. This management practice is a recommended component outlined in Range Technical Note No. 10 "Brush Management" published by the Natural Resource Conservation Service.

The Brule-Buffalo, Gregory County, American Creek, and Charles Mix Conservation Districts, Mid-Missouri River Prescribed Burn Association, NRCS and SDSU will jointly implement this project with additional funding from NRCS grant. MMRPBA will prepare the burn plans. Archeological and environmental policy forms will be submitted to NRCS. Natural Resource Conservation Service will assist in designing grazing management plans for pastures associated with the burns. Cost-share funds will only be used on cedar acres burned.

Individual project locations will be located throughout Gregory County, American Creek, Brule-Buffalo, and Charles Mix Conservation Districts.

Traditional livestock production remains a primary landuse throughout the project area. Maintaining and improving a grassland landscape in any watershed has demonstrated to provide environmental benefits such as reduced erosion and improve water quality over other landuses. By removing cedar canopy cover, landowners can maintain and restore open grazing lands as a primary landuse. The project will help maintain and improve grasslands that are under managed grazing systems.

Grasslands will rejuvenate after cedars are removed by fire. Prior sites that were burned, grasses have re-established with excellent grass re-growth. American Creek, Brule-Buffalo, Charles Mix, and Gregory County Conservation Districts still contain relatively large amounts of native grasslands. If funded, landowners will be able to positively adjust stocking rates on the reclaimed grassland areas.

Prior to each deferment there will be a burn plan and grazing management plan signed by landowners. The goal of 2000 acres per year for 3 years has been established, but cost-share for deferment will only be for the cedar infested acres to be burned. Acres will be documented before each burn. The restored areas will be managed with grazing plans and any technical assistance needed from NRCS or the Conservation Districts involved.

Mid Missouri River Prescribed Burn Association, NRCS, Local Conservation District, and Landowner will work jointly to meet all permit requirements on a site-specific basis.

E. Final Products

The project funding will allow deferment one year on pasture land at \$20 per acre for only cedar areas burned. The grass areas that are burned and additional lands used for livestock grazing during the implementation of the cedar deferment will be in-kind acres. The grazing systems will have positive benefits to the grasslands managed. Thus, a host of not only livestock but grassland dependent species will benefit from the project. It is anticipated that deferred burned acres will be improved by the grazing systems implemented.

F. Partner Justification

All the Conservation Districts have a long history of supporting natural resource conservation and protection within their counties. The individuals on the Conservation District Boards are aware of the natural resource needs within their corresponding counties and practices appropriate to address these needs. The Conservation Districts, Mid Missouri River Prescribed Burn Association, SDSU, NRCS, and Landowners have been successfully partnering to implement conservation practices on private lands in South Dakota for years. As a joint effort, the partner will rely on a history of knowledge of the local resource needs, partnership experienced, and technical acumen to accomplish the project.

G. Identify how you will measure the success of the project.

Project success will be measured by the increase of animal units months of grazing available to add to the grazing systems implemented and acres of improved grassland management. It is anticipated 2000 acres per year for 3 years of improved range.



PO Box 339 Burke, SD 57523
Phone 775-2770 or 775-3099
Clean. Clear. Conservation

SD Department of Agriculture
Division of RC&F
523 E Capitol Ave.
Pierre, SD 57501

Dear State Conservation Commission,

It is the Gregory County Conservation Districts pleasure to write this letter of support for the **Brule-Buffalo Conservation District Burn Deferral (Pilot Project)**.

Gregory County Conservation District supports this project as we believe their request is important because this project will give rest on pasture land that will be or has been a Prescribed Burn with a plan produced by the Mid Missouri River Prescribed Burn Association and SDSU grant

In conclusion, the Gregory County Conservation District fully supports the efforts of the Brule-Buffalo Conservation District as they seek grant funding from the State Conservation Commission to support a project designed to provide landowners an opportunity to have more acres for their managed grazing system and improve the native grasslands that are under cedars.

Sincerely,

Kayla Jones Chairman

UNAPPROVED MINUTES

February 20, 2019

Brule-Buffalo Conservation District

6:00 pm

Ag Service Building in Chamberlain, SD

Board Present:

Jack Freidel, Larry Wagner, Randy Knippling, Doug Feltman, James Lindley, Ryan Urban

Others Present:

Stacy Turgeon-USDA NRCS, Eric Weeman, Tina DeHaai, Chuck Pyle-USFWS, Steve Spawn-USFWS

Absent: Steve Reimer, Gerald Nepodal, Todd Priebe, LeRoy Ness, Marjean Warren, Abbey Randall

Randy Knippling- Chairman, called meeting to order at 6:00 pm.

Agenda:

Randy asked for a motion to accept the Agenda as circulated, Jack motioned, and Larry seconded. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Minutes:

Larry motioned to approve the January meeting minutes, seconded by Jack. No discussion, Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Treasurers Report:

Tina gave treasurer report for January. Randy asked for motioned to accept the Treasurers Report, Jack motioned and seconded by Larry. Discussion was made. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Accounts Payable:

Accounts were discussed totaling \$14,963.28 and unapproved check for January totaling \$10,486.76. Motion to pay bills totaling \$10,818.37 and January unapproved checks, by Larry and seconded by Jack. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Accounts Receivable:

Accounts receivables were discussed.

NRCS Report:

Stacy, DC had written report and discussion was made. Conservation Plans were discussed and reviewed by Board. Randy asked for a motion to approve signatures on eight conservation plans, Jack motioned and seconded by Larry. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Larry Report:

Nothing at this time

Managers' Report:

Eric reported: doing repairs and upkeep on vehicles and machinery

Office Report:

Tina reported: Great Western Bank needs signatures for financial business. Randy asked for a motion to approve signatures on Bank forms, Jack motioned and seconded by Larry. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried. Chuck Pyle and Steve Spawn explained the MOU with USFWS. Randy asked for a motion to approve signatures MOU with USFWS, Jack motioned and seconded by Larry. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried. Leadership will be held March 4-5 and Tina will do QuickBooks training on the 4th. Up for election is LeRoy Ness, Larry Wagner, and Steve Reimer. Izaak Walton award discussed. 6 out of 19 producers left for down payments. Handplants will be billed out March 1st. Safety Manual was reviewed by the Board. Randy asked for a motion to approve the Safety Manual be added to the Policy and Procedure Book, Larry motioned and seconded by Jack. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried. Burn Association annual meeting will be held on February 27th at 5pm at Bonesteele.

OLD BUSINESS

Grant with Burn Association:

Grant for deferment on cedars acres was reviewed and discussed. Randy asked for a motion to submit the Grant for deferment with the Mid-Missouri River Prescribed Burn Association, Larry motioned and seconded by Jack. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Farm & Home Show:

The farm & home show will be held at Cedar Shore February 22-24, Zach will be at booth on Sunday and Tina will take the other time slots.

Farmer/Rancher Banquet:

Randy, Jack, Doug and Larry discussed the program.

American Creek Trees & Fabric:

The Agreement with American Creek CD was returned.

NEW BUSINESS

Renovation Grant:

The renovation grant was reviewed and discussed. After this spring all the dollars will be used up in the two that are open. Randy asked for a motion to submit the Renovation Grant, Jack motioned and seconded by Larry. Vote: Larry Wagner-Yes, Jack Freidel-yes, Randy Knippling-yes. Motion Carried.

Brush Management Grant:

The brush management grant was reviewed and discussed. Randy asked for a motion to submit the Brush Management Grant, Jack motioned and seconded by Larry. Vote: Larry Wagner-Yes, Jack Freidel-yes, Randy Knippling-yes. Motion Carried.

Executive Session:

Not at this time

Next Meeting: Wednesday March 20, 2019 at 7:00 pm

Adjourn: Larry motioned to adjourn meeting, seconded by Jack. Vote: Randy Knippling-yes, Larry Wagner-yes, Jack Freidel-yes, Motion carried.

Randy Knippling-Chairman

UNAPPROVED MINUTES

Minutes Respectfully Submitted

by: Tina DeHaai, Office Manager

UNAPPROVED



Department of Agriculture

Division of Resource Conservation & Forestry

Grant Application Form

Applicant Information:

Organization: Butte Conservation District
Telephone: (605) 892-3368
Tax Status: _____

Mailing Address: 1837 5th Ave.
City: Belle Fourche
State: SD Zip: 57717

Project Contact:

Project Officer: Yvette Kirkman
Fax: _____

Telephone: (605) 892-3368
Email: Yvette.Kirkman@sd.nacdnet.net

Project Information:

Project Name: Butte Livestock Water Dev. II
Start Date: 7/1/2019 End Date: 7/1/2021
Legal description: County: Butte
Township: _____ Range: _____ Section: _____ Qtr: _____ Qtr: _____

Type of Grant:

- Conservation Grant
- Community Forestry
- Insect/Disease
- Invasive Species
- Forest Stewardship
- Mountain Pine Beetle
- Other (Specify) _____

Financial Information:

Grant Funds Requested: 20,000 Partner Contributions (total) 50,000 Total Project Cost: 70,000

Please give a brief, descriptive summary of the project (Use Section "D" to provide project detail)

The Butte Rangeland and Water Development II project will help provide water for livestock in the Lawrence, Butte, and Elk Creek Conservation Districts to facilitate improved range management and enhanced water quality. Conservation practices to be implemented include, pond construction or repair, pipeline, tanks, shallow wells and alternative water systems. This project is a partnership between the participating Conservation Districts, private landowners and the U.S. Fish & Wildlife Service. Grant funding monies of \$20,000 from the Coordinated Soil and Water Conservation fund will be combined with \$50,000 of partners funds for a total of \$70,000 for on the ground projects. Each individual project will be designed to maximize the benefit to grassland management, wildlife habitat, improved water quality, soil erosion reduction and overall soil health improvement. Project actions will directly assist in the implementation of objectives 3C, 2.1, 2.3, 3.3 and 5B of the SD Coordinated Plan for Natural Resource Conservation.

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature: [Signature] Authorized Signature: [Signature] Title: [Signature] Date: [Signature]

A copy of the state required **W-9 Form** must be attached to this application.

For Division Use Only:

Reviewed by: _____
Signature Title Date

Approved by: _____
Signature Title Date

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Costs" on page 1

A. OPERATING BUDGET

1. Salary/Benefits	1,500	
2. Travel		
3. Contractual Services	68,500	
4. Supplies		
5. Equipment (list major equip.)		
6. Consultant Services		
Total Projects Costs	70,000	This total must equal 70,000

B. ACTIVITY BUDGET

Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1. administration	1,500				1,500
2. water development	18,500	20,000		30,000	68,500
3.					0
4.					0
5.					0
6.					0
7.					0
8.					0
TOTALS	20,000	20,000	0	30,000	70,000
				This total must equal	70,000

C. PROJECT PARTNERS: Please list the names of ALL project partner organizations, the value of their contribution, and indicate whether the contribution is cash or in-kind.

Partner	Amount Cash	Amount In-Kind	Total
1. RC&F	20,000		20,000
2. USFWS (cash)	30,000		30,000
3. Landowners (cash)	20,000		20,000
4.			0
5.			0
6.			0
7.			0
8.			0
TOTALS	70,000	0	70,000
			This total must equal 70,000

SUBMISSION:

Please mail one complete application, including any attachments, to:

**SD Department of Agriculture
Resource Conservation & Forestry
523 E. Capitol Avenue
Pierre, SD 57501-3182**

Print

Applicant Organization Name: Butte Conservation District

Section D – Additional Information Required

D. Project Description and Need

- Explain who will be the primary beneficiaries of this project (who will receive the benefits when this project is complete)

In support of progress made in Phase I, water development projects will be implemented to enhance livestock distribution and grazing management. These practices provide many benefits to natural resources including rangeland improvement, wildlife production, water quality improvements, erosion reduction, and overall soil health improvement. Participating private landowners will be the primary beneficiary, but all citizens of South Dakota will also benefit because of the natural resource conservation benefits listed above.

- Define who will be responsible for the implementation, maintenance and follow-up stages of the project

Once a project is mutually agreed upon by all participating partners, the cooperating landowner will sign a FWS landowner agreement (LA). This agreement outlines the total cost of practice, partner contributions, and the landowner's cost-share. Additionally, each agreement will stipulate a stocking rate and grazing period for each pasture associated with the water development. This is the same cost-share agreement format that has been used with many Conservation Districts and thousands of landowners to implement conservation throughout South Dakota for years. This agreement also outlines maintenance responsibilities for the practices following construction for the full term of the LA. On each individual project the U.S. Fish & Wildlife Service will work cooperatively with the participating Districts to facilitate site selection and project implementation. With the District's concurrence, the U.S. Fish & Wildlife Service will design the practice, obtain the proper permits, and monitor all phases of project implementation.

- Indicate where this project will be located (district, watershed, community, etc. Attach map(s) as relevant).

Individual projects will be identified throughout Butte, Lawrence, and Elk Creek Conservation Districts. Projects will be evaluated on their merit for the greatest beneficial impact to grazing lands and grazing land improvement.

- Describe the specific environmental, natural resource, ecological, educational and/or socio-economic need(s) the projects will address.

The Butte, Lawrence, and Elk Creek Conservation Districts have a wide variety of landuses within their boundaries. However, livestock production on native rangeland remains the primary use of the lands within these Conservation Districts. Improving rangeland conditions and management of such lands has been determined to be a priority of these three Districts. The goal is that even in drought conditions the water developments will continue to improve rangeland conditions, improve water quality, provide wildlife habitat, reduced soil erosion and overall soil health improvement.

- Briefly describe the specific on-the-ground restoration activities to be undertaken on-site to achieve the project objectives, and why it is needed

A minimum of 5 livestock watering sources will be constructed to improve grassland management and livestock distribution in addition to providing improved wildlife habitat. The surrounding pastures will be assigned a stocking rate and grazing period to assure proper grassland management which will in turn improve water quality, reduce soil erosion, and increase wildlife habitat.

- Explain if this project is part of a larger regional and/or local watershed effort

Improving water quantity and quality and improving rangeland and soil health are identified as goals in the long range plans of the Conservation Districts involved in the project. The outcomes of this project fit directly under these goals. The major watersheds in the project area will benefit from the implementation of the grazing standards and the addition of water on the landscape.

- Describe provisions to ensure long-term management and protection of the project (e.g., conservation easements on private land, long-term monitoring program)

Each participating landowner will sign a USFWS cost-share agreement which will protect the project for a minimum of ten years. There is very little reason to expect these practices to be discontinued after the completion of the terms of the agreement because of the benefit that they will provide to the landowners. Additionally, all participating landowners will be given a copy of the South Dakota Grasslands Coalition brochure titled Greener Pastures which has a wealth of grazing information.

- Please indicate if any federal, state or local permits are required to complete the project and the status of efforts to secure necessary authorization

The USFWS will assist in all aspects of implementation of the livestock water development practices including obtaining any and all permits.

E. Final Products

- Describe the anticipated benefits of the project from an ecological, educational, and/or socio-economic perspective (e.g., number of acres of wetlands or stream miles restored, target audience and how they will benefit)

This project will construct a minimum of 5 livestock watering facilities in Butte, Lawrence, and Elk Creek Conservation Districts in the next two years. Stocking rates and grazing periods will be assigned for surrounding pastures. This will have a net cumulative effect of improved water and range conditions on thousands of rangeland acres.

F. Partner Justification

- Describe the strengths, qualifications and nature of the contribution of your organization and other collaborating organizations

All the Conservation Districts have a long history of supporting natural resource conservation and protection within their district boundaries. The individuals on the Conservation District boards are aware of the natural resource needs within their corresponding counties and practices appropriate to address these needs. The Conservation Districts, the USFWS Partners for Fish & Wildlife Program and landowners have been successfully partnering to implement conservation practices on private land in South Dakota for years. As a joint effort, the partners will rely on a history of knowledge of the local resource needs, partnership ability, and technical expertise to accomplish this project.

G. Identify how you will measure the success of the project.

Project success will be measured by number of livestock watering facilities created and acres of improved grassland management implemented in support of the SD Coordinated Plan for Natural Resource Conservation.



United States Department of the Interior

FISH AND WILDLIFE SERVICE



D.C. Booth Historic National Fish Hatchery and Archives
423 Hatchery Circle
Spearfish, SD 57783-2643
Phone: 605-642-7730

February 11, 2019

Mr. Tim Reich
Butte Conservation District
1837 5th Avenue
Belle Fourche, SD 57717

Dear Mr. Reich,

The U.S. Fish & Wildlife Service (FWS) fully supports your application for a South Dakota Coordinated Soil and Water Conservation Grant, entitled Butte Rangeland and Water Development II. This Grant will be in support of progress made in Phase I that was completed in December of 2019. The FWS recognizes that a wide range of benefits are gained from a water development project such as the one proposed for Butte, Lawrence and Elk Creek Conservation Districts. These benefits include improved grassland management, better wildlife habitat, improved water quality, soil erosion reduction, and overall soil health improvement.

Through our Partners for Fish & Wildlife Program, we are prepared to offer \$30,000 in cash for this project. We will also offer technical assistance in all phases of the project implementation.

Thank you for this opportunity to partner with you and the other participating landowners on the needed and worthwhile project in western South Dakota.

Sincerely,

Joseph E. Nichols
Private Lands Biologist



Elk Creek Conservation District

2202 West Main Street
Sturgis, SD 57785

February 6, 2019

Dale Lundgren, Chairman
Elk Creek Conservation District
2202 West Main Street
Sturgis, SD 57785

Chairman Reich:

Elk Creek Conservation District is in full support of the proposed Butte Livestock Water Development Project, Phase 2 for Butte, Lawrence, and Meade counties. This project seeks to provide both livestock and wildlife water, help to distribute the livestock and improve conditions of the rangeland. We also understand that this is a continuation of a successful program that has assisted many landowners within these counties in the past.

This project proposes to combine funds from the Coordinated Soil and Water Conservation Fund with money from the U.S. Fish and Wildlife Service and cooperating landowners to provide landowners with a tool with which they can improve the water quality and quantity on their property, grazing efficiency and overall rangeland health.

Thank you for the opportunity to be a part of this worthwhile project and we look forward to working with you.

Sincerely,

A handwritten signature in cursive script that reads "Dale Lundgren".

Dale Lundgren, Chairman
Elk Creek Conservation District Board



Lawrence Conservation District

1230 North Avenue, Suite 8
Spearfish SD 57783
605-642-3590
lawrencecd@sdconservation.net

Feb. 6, 2019

Tim Reich, Chairman
Butte Conservation District
1837 5th Avenue
Belle Fourche SD 57717

Chairman Reich:

Lawrence County Conservation District is in full support of the proposed Butte Livestock Water Development Project, Phase 2 for Butte, Lawrence, and Meade counties. This project seeks to provide both livestock and wildlife water, help to distribute the livestock and improve conditions of the rangeland. We also understand that this is a continuation of a successful program that has assisted many landowners within these counties in the past.

This project proposes to combine funds from the Coordinated Soil and Water Conservation Fund with money from the U.S. Fish and Wildlife Service and cooperating landowners to provide landowners with a tool with which they can improve the water quality and quantity on their property, grazing efficiency and overall rangeland health.

Thank you for the opportunity to be a part of this worthwhile project and we look forward to working with you.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Hanson", is written over a horizontal line.

Eric Hanson, Vice Chairman
Lawrence County Conservation District Board



SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

RESOURCE CONSERVATION AND FORESTRY DIVISION

523 East Capitol Avenue
Pierre, SD 57501

Phone: 605.773.3623 Fax: 605.773.4003
sdda.sd.gov

GRANT APPLICATION FORM

Applicant Information

Organization: Davison Conservation District Mailing Address: 1820 N.Kimball St. Suite B
Telephone: (605) 996-1564 #3 City: Mitchell State: SD Zip: 57301
Tax Status: Government

Project Contact

Project Officer: Jim Lehi Telephone: (605) 996-1564 #3
Fax: 1-855-256-2557 Email: jim.lehi@sd.nacdnet.net

Project Information

Project Name: Awareness & Outreach Activities Grant
Start Date: 7/1/2019 End Date: 12/31/2020
Legal description: County Davison/Sanborn
Township: Range:
Section: Qtr:

Type of Grant

- Conservation Grant Community Forestry
Insect/Disease Invasive Species
Forest Stewardship Mountain Pine Beetle
Other (specify):

Financial Information

Grant funds requested: 2500 Partner contributions (total): 2500 Total project cost: 5000

Please give a brief, descriptive summary of the project (Use section D to provide project details)

The Davison and Sanborn Conservation Districts are applying for this grant to create a link between the farmers, consumers and communities by helping them understand how food is produced and how the environment can also be protected while doing this. This will also help people understand the importance of the local conservation districts and why they are important to the natural resources and agriculture.

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature Jim Lehi Title DISTRICT MANAGER Date 2/25/19

A copy of the state required W-9 form must be attached to this application.

OFFICE USE ONLY

Signature of Reviewer Title Date
Signature of Approval Title Date

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Cost" on page 1.

A. Operating Budget

1.	Salary/Benefits		
2.	Travel		
3.	Contractual Services	5000	
4.	Supplies		
5.	Equipment (list major equipment)		
6.	Consultation Services		
Total Project Costs		5000	This total must equal <u>5000</u>

B. Activity Budget

Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1. Public Awareness	2500	2500			5000
2. _____					0
3. _____					0
4. _____					0
5. _____					0
6. _____					0
7. _____					0
8. _____					0
Totals	2500	2500	0	0	5000
This total must equal					<u>5000</u>

C. Project Partners

Partners	Amount Cash	Amount In-Kind	Total
1. RC&F	2500		2500
2. Local Partners	2500		2500
3. _____			0
4. _____			0
5. _____			0
6. _____			0
7. _____			0
8. _____			0
Totals	5000	0	5000
This total must equal			<u>5000</u>

Please mail application and attachments to the South Dakota Department of Agriculture.

Davison/Sanborn Conservation Districts

Public Awareness and Outreach

Project Narrative

Project Partners

May include but are not limited to NRCS, SDSU Extension Service, Pheasants Forever, Ducks Unlimited, Mitchell Chamber of Commerce, South Dakota No-Till Association, SD Soil Health Coalition, SD Grasslands Coalition and many others.

Project descriptions and need

The Awareness & Outreach Activities Grant will focus on connecting the public and producers to conservation through awareness and outreach activities. The grant will provide more awareness of what the local conservation districts do and services they can provide. The grant will make available more conservation education throughout the counties and provide more opportunities for non-farmers and youth to learn about conservation and agriculture in general. The Awareness and Outreach Activities Grant will include the Davison and Sanborn Conservation Districts of which the Davison Conservation District would be the lead for the grant.

Final Products

Public outreach and awareness activities will include projects such as, but not limited to, the following:

Annual Mitchell Soil Health Event, Ag in the Classroom, Farm Exchange tour, prescribed grazing/brush management tour, Arbor Day presentations to local classrooms, newsletter mailings, Conservation Speech contests, Arbor Day essays, watershed meetings for producers, Build Soil Health Displays for producers and classrooms (Soil your Undies, cover crops, pollinator boxes, etc.), scholarships for producers and students to attend the SD Grassland Coalition Grazing School, SD Soil Health Coalition Soil Health School, and Land, Soil, & Range Schools, and assist producers with soil health soil tests (Haney, Solvita, PLFA, etc.) for learning opportunities.

These public outreach and awareness activities will benefit producers, the public, and youth about the importance of conservation in our communities and counties. The grant will create a link between the farmers, consumers, and communities by helping them understand how food is produced and that the environment can be protected while doing this. We believe it'll help people understand the importance of the local conservation districts and other organizations that promote the importance of our natural resources and agriculture.

Partner Justification

The Davison and Sanborn Conservation Districts have for many years had a strong working relationship with various organizations in our area. Each organization has expertise in various areas and in conjunction with our districts we can accomplish an awareness and connection that will be beneficial to all interested parties.



Department of Agriculture Division of Resource Conservation & Forestry Grant Application Form

Applicant Information:

Organization: Davison Conservation District
 Telephone: (605) 996-1564
 Tax Status: Government

Mailing Address: 1820 North Kimball, Suite B
 City: Mitchell
 State: SD Zip: 57301

Project Contact:

Project Officer: Jim Lehi
 Fax: (855) 256-2557

Telephone: (605) 996-1564
 Email: jim.lehi@sd.nacdn.net

Project Information:

Project Name: Multi County Brush Management Project
 Start Date: 7/1/19 End Date: 6/30/20
 Legal description: County: Davison
 Township: _____ Range: _____ Section: _____ Qtr: _____ Qtr: _____

Type of Grant:

- Conservation Grant
- Community Forestry
- Insect/Disease
- Invasive Species
- Forest Stewardship
- Mountain Pine Beetle
- Other (Specify) _____

Financial Information:

Grant Funds Requested: 10,000 Partner Contributions (total) 10,000 Total Project Cost: 20,000

Please give a brief, descriptive summary of the project (Use Section "D" to provide project detail)

The multi-county brush management project will be completed in Davison, Aurora, Sanborn, and Hutchinson Conservation Districts. Results from this conservation practice can be seen instantly while the forestry cutter is working. The invasive plant species are not a new problem but a problem that is expensive, ongoing, and finally getting addressed. Our goal is to restore these invaded areas back to grasslands making them productive again for livestock and / or wildlife.

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature Jim Lehi Authorized Signature _____ Title DISTRICT MANAGER Date 2/4/19

A copy of the state required W-9 Form must be attached to this application.

For Division Use Only:

Reviewed by: _____ Signature _____ Title _____ Date _____

Approved by: _____ Signature _____ Title _____ Date _____

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Costs" on page 1

A. OPERATING BUDGET

1. Salary/Benefits
2. Travel
3. Contractual Services
4. Supplies
5. Equipment (list major equip.)
6. Consultant Services

20,000
20,000

Total Projects Costs

This total must equal 20,000

B. ACTIVITY BUDGET

Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1. Brush Management	10,000	10,000			20,000
2.					0
3.					0
4.					0
5.					0
6.					0
7.					0
8.					0
TOTALS	<u>10,000</u>	<u>10,000</u>	<u>0</u>	<u>0</u>	<u>20,000</u>

This total must equal 20,000

C. PROJECT PARTNERS: Please list the names of ALL project partner organizations, the value of their contribution, and indicate whether the contribution is cash or in-kind.

Partner	Amount Cash	Amount In-Kind	Total
1. RC&F	10,000		10,000
2. Landowners	10,000		10,000
3.			0
4.			0
5.			0
6.			0
7.			0
8.			0
TOTALS	<u>20,000</u>	<u>0</u>	<u>20,000</u>

This total must equal 20,000

SUBMISSION:

Please mail one complete application, including any attachments, to:

**SD Department of Agriculture
Resource Conservation & Forestry
523 E. Capitol Avenue
Pierre, SD 57501-3182**

Print

D. Project Description and Need

The primary beneficiaries will be the landowners on which property the brush management will take place. However, the project goals are to restore and improve grasslands that have been invaded by unwanted plant species (cedars being the primary species), improve soil health by increasing water infiltration into the soil profile and reducing soil erosion, and improve habitat for wildlife. The goals of the project will take place within the Davison, Aurora, Sanborn, and Hutchinson Conservation Districts. Joint Powers agreement in place for this practice with stated Conservation Districts.

With traditional livestock production remaining a primary land use throughout the project area, our grassland restoration brush management project has opened up a new revenue stream for the Davison Conservation District. From the time we got the machine in August of 2013, we have removed invasive plant species for landowners in three counties. We have returned to many of the sites this summer to check for grass establishment in the litter area from the grinding process and found that there is excellent grass re- growth in these areas.

At the present time, we have a list of landowners wanting to take advantage of brush management project (controlling of invasive plant species cedars being primary species). With the landowners that we have completed work for, we feel that we could double the amount of restored grasslands with some financial help. Our charge for this work is \$150 per hour. With the consideration of 50% of \$150 maximum per hour and each landowner would be limited to 15 hours of cost-share.

The area in which we would be covering has large amounts of native grasslands. These grasslands are not only for livestock but wildlife habitat. By controlling the invasive plant species, we will open more grasslands for grazing and wildlife food and cover.

E. Final Products

The project funding will allow to develop more area for grazing and wildlife habitat.

F. Justification

Invasive plants have become a problem for most of the landowners in the project area. The Davison Conservation District would eradicate the invasive plant species (cedars being primary species) and restore grasslands.

G. Identify how you will measure the success of the project

The success will be measured by the restoration of grasslands acres in the project area.



Department of Agriculture

Division of Resource Conservation & Forestry

Grant Application Form

Applicant Information:

Organization:

Telephone:

Tax Status:

Mailing Address:

City:

State: Zip:

Project Contact:

Project Officer:

Fax:

Telephone:

Email:

Project Information:

Project Name:

Start Date: End Date:

Legal description: County:

Township: Range: Section: Qtr: Qtr:

Type of Grant:

Conservation Grant Community Forestry
 Insect/Disease Invasive Species
 Forest Stewardship Mountain Pine Beetle
 Other (Specify)

Financial Information:

Grant Funds Requested: Partner Contributions (total) Total Project Cost:

Please give a brief, descriptive summary of the project (Use Section "D" to provide project detail)

Edmunds Conservation District proposes replacing Shelter-belts and Establishing new shelter-belt and windbreaks in Edmunds County locations where the current shelter belts are no longer providing shelter for wild life and livestock and are no longer saving the soil from wind erosion. Also to establish new windbreaks for animal shelter, crop protection, soil erosion, riparian buffers, etc.

Shelter belts are generally established to protect or shelter nearby areas from troublesome winds. Such plantings are used to reduce wind erosion, protect growing plants (crops and forage), alter Micro environment to enhance plant growth, manage snow, improve irrigation efficiency and delineate field boundaries. Windbreaks also protect structures and livestock, provide wildlife habitat and travel corridors, enhance aesthetics and increase carbon storage. Also, when used as a living screen, windbreaks control views, reduce noise and intercept chemical drift.

For plantings to function properly, access by livestock and certain wildlife must be managed year-round (use exclusion and fencing). Connecting shelter belts with existing or planned perennial vegetation, such as woodlots and woody draws (tree/shrub establishment) or riparian areas provides additional benefits for wildlife and aesthetics.

Most of the trees Edmunds Conservation District will be replacing are 30-40 year old trees that are now dead. We will be guiding landowners on the best ways to revitalize and still use the old shelter belt by taking only the necessary rows and replacing dead trees with new trees. Trees and shrubs in a windbreak or shelter belt need periodic maintenance and, later on, possible renovation. The Conservation District will monitor the trees growth throughout the years and send out letters to the landowners with the status of the renovated shelter belt, and how to make improvements if necessary.

It is vitally important for Edmunds Conservation District to continue teaching and stressing the importance of conserving our lands, our soil and our wildlife habitat to the new generation of landowners and farmers. It is our desire to encourage more landowners in revitalizing this conservation practice to revitalize our soils and to keep our soils from becoming overworked and exhausted. Our hope is to revitalize at least 17 acres of land.

Edmunds conservation Districts cares very much how we leave our environment for future landowners and future generations. We strive to find ways to help not only farmland owners, but the land owners in our communities. We provide assistance in learning and implementing best conservation practices possible, working closely with the FSA, NRCS and GF& P to execute the best procedures for tree survival. We will also implement grass seeding in-between trees rows to control erosion and noxious weeds. This will be a 2 year grant since we have included Renovation.

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature *Bryce Nash* 2-26-2019
Authorized Signature Title Date

A copy of the state required **W-9 Form** must be attached to this application.

For Division Use Only:

Reviewed by:
Signature Title Date

Approved by:
Signature Title Date

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Costs" on page 1

A. OPERATING BUDGET

1. Salary/Benefits	500	
2. Travel		
3. Contractual Services	8,500	
4. Supplies	21,000	
5. Equipment (list major equip.)		
6. Consultant Services		
Total Projects Costs	30,000	This total must equal 30,000

B. ACTIVITY BUDGET

Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1. Site Prep	500	500			1,000
2. Shrubs & Planting	3,500	3,500			7,000
3. Trees & Planting	2,500	2,500			5,000
4. Fabric & Installation	4,500	4,500			9,000
5. Removal	3,000	3,000			6,000
6. Sod Control	0	0			0
7. Wages	250	250			500
8. Grass Planting	750	750			1,500
TOTALS	15,000	15,000	0	0	30,000
			This total must equal		30,000

C. PROJECT PARTNERS: Please list the names of ALL project partner organizations, the value of their contribution, and indicate whether the contribution is cash or in-kind.

Partner	Amount Cash	Amount In-Kind	Total	
1. RC&F	15,000		15,000	
2. Producers	14,750		14,750	
3. Edmunds Conservation District	250		250	
4.			0	
5.			0	
6.			0	
7.			0	
8.			0	
TOTALS	30,000	0	30,000	
			This total must equal 30,000	

SUBMISSION:

Please mail one complete application, including any attachments, to:

SD Department of Agriculture
 Resource Conservation & Forestry
 523 E. Capitol Avenue
 Pierre, SD 57501-3182

Print

SECTION D. – C. PROJECT PARTNERS:

Project Narrative Instructions: (Total narrative should not exceed three pages of single-spaced text. Please attach

any maps, figures and photographs you feel are valuable in explaining the project.)

INSTRUCTIONS

Complete the following section for Coordinated Natural Resources Conservation Grants

NOTE: Any practice funded by the Coordinated Natural Resources Conservation Grant funds must meet one or

more goals of the Coordinated Soil & Water Conservation Plan.

D. Project Description and Need -Edmunds Conservation District proposes replacing Shelterbelts in Edmunds County locations where the current shelterbelts are no longer providing shelter for wild life and are no longer saving the Soil from wind and erosion. We are also looking to establish new windbreak and shelterbelt plantings for producers in Edmunds County.

- Explain who will be the primary beneficiaries of this project (who will receive the benefits when this project is complete) Land owners and the land itself, State of South Dakota, by improving on the land value for future generations.

- Define who will be responsible for the implementation, maintenance and follow-up stages of the project Edmunds conservation District and Landowners

- Indicate where this project will be located (district, watershed, community, etc. Attach maps as relevant, Edmunds County

- Describe the specific environmental, natural resource, ecological, educational and/or socio-economic need(s) the projects will address. Shelterbelts are generally established to protect or shelter nearby areas from troublesome winds. Such plantings are used to reduce wind erosion, protect growing plants (crops and forage), alter Microenvironment to enhance plant growth, manage snow, improve irrigation efficiency and delineate field boundaries. Windbreaks also protect structures and livestock, provide wildlife habitat and travel corridors, enhance aesthetics and increase carbon storage. Also, when used as a living screen, windbreaks control views, reduce noise and intercept chemical drift. Planting grass will control erosion and noxious weeds.

- Briefly describe the specific on-the-ground restoration activities to be undertaken on-site to achieve the project objectives, and why it is needed .For plantings to function properly, access by livestock and certain wildlife must be managed year-round (use exclusion and fencing). Connecting shelterbelts with existing or planned perennial vegetation, such as woodlots and woody draws (tree/shrub establishment) or riparian areas provides additional benefits for wildlife and aesthetics.

- Explain if this project is part of a larger regional and/or local watershed effort. Most of the trees Edmunds Conservation District will be replacing are 30-40 year old trees that are now dead. We will be guiding landowners on the best ways to revitalize and still use the old shelter belt by taking only the necessary rows and replacing dead trees with new trees. Trees and shrubs in a windbreak or shelterbelt need periodic maintenance and, later on, possible renovation. The Conservation District will monitor the trees growth throughout the years and send out letters to the landowners with the status of the reworked shelterbelt, and how to make improvements if necessary

- Describe provisions to ensure long-term management and protection of the project (e.g., conservation easements on private land, long-term monitoring program) The conservation District will monitor the trees growth through the years and send out letters to the landowners on how to correct a problem if needed

- Please indicate if any federal, state or local permits are required to complete the project and the status of efforts to secure necessary authorization. N/A

E. Final Products

- Describe the anticipated benefits of the project from an ecological, educational, and/or socio-economic perspective (e.g., number of acres of wetlands or stream miles restored, target audience and how they will benefit)

It is vitally important for Edmunds Conservation District to continue teaching and stressing the importance of conserving our lands, our soil and our wildlife habitat to the new generation of landowners and farmers. It is our desire to encourage more landowners in revitalizing this conservation practice to revitalize our soils and to keep our soils from becoming overworked and exhausted. Our hope is to revitalize at least 10 acres of land.

F. Partner Justification

- Describe the strengths, qualifications and nature of the contribution of your organization and other collaborating Organizations. Edmunds conservation Districts cares very much how we leave our environment for future landowners and future generations. We strive to find ways to help not only farmland owners, but the land owners in our communities. We provide assistance in learning and implementing best conservation practices possible, working closely with the FSA, NRCS and GF& P to execute the best procedures for tree survival.

G. Identify how you will measure the success of the project. By how many more landowners we can get reinterested in Conservation! Making this conservation project among other like this assessable to the younger generation. It takes our generation to teach the next, by showing that we care now will further their interest and enthusiasm for conservation.



Department of Agriculture

Division of Resource Conservation & Forestry

Grant Application Form

Applicant Information:

Organization: Edmds County Conservation District
Telephone: (605) 426-6701
Tax Status: Government

Mailing Address: Po Box 25
City: Ipswich
State: SD Zip: 57451

Project Contact:

Project Officer: Meshele Townsend
Fax: _____

Telephone: (605) 426-6701
Email: eccd@valleytel.net

Project Information:

Project Name: Conservation Education
Start Date: 7-1-19 End Date: 6-31-20
Legal description: County: Edmunds
Township: _____ Range: _____ Section: _____ Qtr: _____ Qtr: _____

Type of Grant:

- Conservation Grant
- Community Forestry
- Insect/Disease
- Invasive Species
- Forest Stewardship
- Mountain Pine Beetle
- Other (Specify) _____

Financial Information:

Grant Funds Requested: 1,500 Partner Contributions (total) 2,000 Total Project Cost: 3,500

Please give a brief, descriptive summary of the project (Use Section "D" to provide project detail)

This grant is for Conservation Education. We feel the best way to promote conservation in our county is through conservation education. Activities through this grant may include land judging, Arbor day activities, soil and water stewardship, parades, web design, conservation speech contest, and any other education activities that may arise.

Growing youth, an program to encourage our youth to plant gardens, give seminars, build raised beds, buy seeds and plants.

Our land judging helps prepare our kids for the state and national contest. This will help us to introduce the younger generation to the importance of trees and protecting the soil.

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature: *Bryce Park* Title: _____ Date: 2-26-2019
Authorized Signature

A copy of the state required [W-9 Form](#) must be attached to this application.

For Division Use Only:

Reviewed by: _____ Signature _____ Title _____ Date _____
Approved by: _____ Signature _____ Title _____ Date _____

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Costs" on page 1

A. OPERATING BUDGET

1. Salary/Benefits	500	
2. Travel		
3. Contractual Services		
4. Supplies	2,000	
5. Equipment (list major equip.)		
6. Consultant Services	500	
Total Projects Costs	3,000	This total must equal 3,500

B. ACTIVITY BUDGET

Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1. Supplies	1,000	1,000			2,000
2. Wages & Benefits	250	250			500
3. Administration	250	250			500
4. growing youth			500		500
5.					0
6.					0
7.					0
8.					0
TOTALS	1,500	1,500	500	0	3,500
					This total must equal 3,500

C. PROJECT PARTNERS: Please list the names of ALL project partner organizations, the value of their contribution, and indicate whether the contribution is cash or in-kind.

Partner	Amount Cash	Amount In-Kind	Total
1. RC&F	1,500		1,500
2. growing youth		500	500
3. Edmunds Conservation District	1,500		1,500
4.			0
5.			0
6.			0
7.			0
8.			0
TOTALS	3,000	500	3,500
			This total must equal 3,500

SUBMISSION:

Please mail one complete application, including any attachments, to:

SD Department of Agriculture
 Resource Conservation & Forestry
 523 E. Capitol Avenue
 Pierre, SD 57501-3182

Print



Edmunds County Conservation District

22 Main St Ipswich

PO Box 25

605-426-6701 x3

eccd@valleytel.net

Board of Supervisors
Bryce Nash – Chairman
Raymond Kub – Vice Chairman
Anita Weisser – Supervisor
Diane Allbee – Supervisor
Tim Braun – Supervisor

Conservation Education Grant For Edmunds County

- **Project Discription & Need**
 - Primary Beneficiaries of the Project
 - Primary Beneficiaries – Students
- **Responsible for Implementation, Maintenance , and Follow up**
 - Edmunds County Conservation District
 - Location of this project
 - Edmunds County
- **Enviromental, Natural Resourse, Ecological, Education, and or Sosial Impact**
 - Soil Juding – Introduces Students to Different types of soils
 - Importance of trees
 - Good conservation
- **Federal, State, or Local Permits Required**
 - None

Final Products

Hope to work with 50 students and 20 adults

Land Judging prepares students for state and national competition, while teaching the students the importance of healthy soil in their community.

Partner Justification

- Conservation Commission Grant – without this grant we could not be able to Participate in these programs
- Area Teachers – They continue where we leave off on teaching the students
- NRCS Field Office Personel – they are instrumental to set up for land judging
- Edmunds County Conservation – We are responsible for all aspects of this grant

Success of the Project

- There is no question as to weather this project will be successful. If we educate the public on conservation education it will be successful. If we educate the school age children of good conservation it will be successful. If we reach out to all in the community uban and rural with the importance of good conservation it will be successful.

Clean. Clear. Conservation.



**Edmunds Conservation Education Grant
7-1-19 thru 6-30-20**

Land Judging – Teachers – 7 @ 8hrs @25=\$1400

NRCS – 2@16hrs@\$30=\$960

Supplies on hand - \$150 (t-shirts, bags, ect) – ECCD Inkind

Administrative – 50/50 ECCD/Grant

Consultant Services – NRCS Field Office, *Master Gardeners Aberdeen*

Salary – ECCD, Teachers, and Administrative



Department of Agriculture

Division of Resource Conservation & Forestry

Grant Application Form

Applicant Information:

Organization:
Telephone:
Tax Status:

Mailing Address:
City:
State: Zip:

Project Contact:

Project Officer:
Fax:

Telephone:
Email:

Project Information:

Project Name:
Start Date: End Date:
Legal description: County:
Township: Range: Section: Qtr: Qtr:

Type of Grant:

- Conservation Grant
- Community Forestry
- Insect/Disease
- Invasive Species
- Forest Stewardship
- Mountain Pine Beetle
- Other (Specify)

Financial Information:

Grant Funds Requested: Partner Contributions (total) Total Project Cost:

Please give a brief, descriptive summary of the project (Use Section "D" to provide project detail)

The Grant County Conservation District is applying for financial aid to assist landowners in planting cover crops where landowners have had silage cut. We feel this would help prevent soil erosion issues the Grant County has when there is reduced ground cover after silage cuttings. The Grant County Conservation District will work with the NRCS to come up with an appropriate cover crop mix to prevent soil erosion. The Grant would begin July 1st 2019 through June 30th 2020. The cover crops will be planted after the silage cuttings and be left as ground cover until the next spring. This grant will be completed within 1 year with a final report to follow. The financial aid will be awarded to landowners/producers whom do not qualify for any other cost-share assistance from state or federal programs. This program is projected to cost-share 750 acres of cover crops. The landowner/producer will be responsible for the remaining balance on their account and any continual remaining costs. The 2019 Conservation Commission Approved Practices Costs and Cost-Share percentages guide will be followed.

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature _____
Authorized Signature Title Date

A copy of the state required [W-9 Form](#) must be attached to this application.

For Division Use Only:

Reviewed by: _____
Signature Title Date
Approved by: _____
Signature Title Date

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Costs" on page 1

A. OPERATING BUDGET

1. Salary/Benefits	1,100	
2. Travel	100	
3. Contractual Services	10,625	
4. Supplies	15,000	
5. Equipment (list major equip.)		
6. Consultant Services		
Total Projects Costs	26,825	This total must equal 26,825

B. ACTIVITY BUDGET

Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1. Seed	5,910	9,090			15,000
2. Technical Assistance	550	550			1,100
3. Travel		100			100
4. Seeding service	3,324	7,301			10,625
5.					0
6.					0
7.					0
8.					0
TOTALS	9,784	17,041	0	0	26,825
			This total must equal		<u>26,825</u>

C. PROJECT PARTNERS: Please list the names of ALL project partner organizations, the value of their contribution, and indicate whether the contribution is cash or in-kind.

Partner	Amount Cash	Amount In-Kind	Total	
1. RC&F	9,784		9,784	
2. Grant County Conservation District	650		650	
3. Grant County Producers	16,391		16,391	
4.			0	
5.			0	
6.			0	
7.			0	
8.			0	
TOTALS	26,825	0	26,825	
			This total must equal	<u>26,825</u>

SUBMISSION:

Please mail one complete application, including any attachments, to:

**SD Department of Agriculture
Resource Conservation & Forestry
523 E. Capitol Avenue
Pierre, SD 57501-3182**

Print

SECTION D. – C. PROJECT PARTNERS:

Project Narrative Instructions: (Total narrative should not exceed three pages of single-spaced text. Please attach any maps, figures and photographs you feel are valuable in explaining the project.)

INSTRUCTIONS

Complete the following section for Coordinated Natural Resources Conservation Grants

NOTE: Any practice funded by the Coordinated Natural Resources Conservation Grant funds must meet one or more goals of the Coordinated Soil & Water Conservation Plan.

D. Project Description and Need

- Explain who will be the primary beneficiaries of this project (who will receive the benefits when this project is complete)
 - The primary beneficiaries will be the landowners in Grant County who have interest in reducing wind and soil erosion, protecting and enhancing air, soil, water quality and wildlife by providing improved natural resource conditions. Livestock producers will reap the most benefit, as the cattle will have an extended grazing season. By improving the natural resources, the region will benefit as a whole. Improved air, soil, and water quality together can affect our wellbeing and the economy. Soil Health is important to everyone.
- Define who will be responsible for the implementation, maintenance and follow-up stages of the project
 - Grant County Conservation District will be responsible for the implementation, maintenance, and follow-up of the project. Practices will be required to meet NRCS standards. Cooperators receiving cost-share from this Grant will work with the Conservation District and NRCS office.
- Indicate where this project will be located (district, watershed, community, etc. Attach maps as relevant)
 - All projects will be located within Grant County.
- Describe the specific environmental, natural resource, ecological, educational and/or socio-economic need(s) the projects will address
 - The main purpose of this grant is to reduce wind and soil erosion. Livestock will be able to graze, but it will also be successful in reducing erosion, and improving the health of the soil in Grant County. Cover Crops are very new to producers in Grant County. Producers have just started trying the use of cover crops in the last couple of years. This grant will give them another option for improving natural resources.
- Briefly describe the specific on-the-ground restoration activities to be undertaken on-site to achieve the project objectives, and why it is needed
 - The proposed project will provide the options of cost-share for the seed and the seeding of the Cover Crop or the seed depending on the producer needs.
 - The goal of the project is to assist 5-10 landowners in our county through the cost-share practices noted above. The project time frame would cover one year, July 1, 2019 through June 30, 2020. Local Natural Resource Conservation Service and Conservation District will be the consultants for this project and provide technical assistance. District staff will be responsible for informing the public about the program through articles in the local newspapers, mailings, word of mouth, and community activities. The district will provide technical assistance to the producer, coordinate the program to sign up landowners, and administer the program by proper accounting of funds and grant reporting.
- Explain if this project is part of a larger regional and/or local watershed effort
 - The Grant is not a part of a larger regional an/or local watershed effort.
- Describe provisions to ensure long-term management and protection of the project (e.g., conservation easements on private land, long-term monitoring program)
 - Grant Conservation District will monitor the practice for the term of the agreement.
- Please indicate if any federal, state or local permits are required to complete the project and the status of efforts to secure necessary authorization
 - There are no federal, state or local permits to complete this cover crop project.

E. Final Products

- Describe the anticipated benefits of the project from an ecological, educational, and/or socio-economic perspective (e.g., number of acres of wetlands or stream miles restored, target audience and how they will benefit)

The primary benefits of the project would be reduced wind and soil erosion, increased water quality, and improved soil health as well as socio-economic benefits to the producers.

Cover Crops provide an opportunity for producers to both extend the grazing season and provide a rest period for cool-season pasture or rangeland. Following silage cutting, cover crop mixtures can provide high quality forage late into the fall. Current research shows that cover crop mixtures out produce monocultures. The dry matter production of a cover crop mixture has been observed to be twice that of a single species cover crop.

F. Partner Justification

- Describe the strengths, qualifications and nature of the contribution of your organization and other collaborating

The Grant County Conservation District have worked together and with producers on many conservation activities. Because of the success of earlier projects, we have increased demand to expand our services to more producers within our District. We would continue to coordinate closely with the Natural Resources Conservation Service experts and the Resource Conservation and Forestry personnel for final design of individual projects.

Organizations

- G. Identify how you will measure the success of the project.

The initial success will be measured by the number of producers participating in this project. We hope to be able to provide soil samples to show the benefits of the cover crops. We also plan to take pictures throughout the year to show how the cover crops helped with soil erosion and wind erosion. The ultimate success will be measured in the additional benefits created by planting cover crops - mainly soil health.

Complete the following section for Urban and Community Forestry Challenge Grants

General Grant Requirements

- Complete a sub-grant questionnaire and submit with grant application. The **Supplemental questionnaire for UCF Subgrants is required as part of the application.**

- Tree species selected must be at least 1¼ inch caliper and at least 10 feet tall in accordance with the American Standard for Nursery Stock (ANSI Z60.1 – 2006).
- Submit a work plan outlining the activities you wish to accomplish through this grant
- Submit a completed Substitute W-9 Taxpayer Identification Number Verification form
- Complete a Department of Agriculture, Division of Resource, Conservation and Forestry grant application form.
- Review and follow the guidelines outlined in the "Urban and Community Forestry Program Challenge Grant" document.
- Incomplete applications will not be accepted.

The following are requirements for the Insect/Disease Program

- Project must be completed by the expiration date as set forth in the award approval or all cost-share funds shall be forfeited.
- By completing this application, I understand that I am not guaranteed cost-share.
- Upon completion of the project I agree to provide the Division of Resource Conservation and Forestry with proof of my expenses by submitting a copy of a receipt, invoice or other written document itemizing costs incurred.
- I understand that I will not receive payment until such proof along with a signed "Grant Completion and Reimbursement Form" has been received and approved by the Division.
- If the project is started prior to receiving written approval, funding may be denied.



SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

RESOURCE CONSERVATION AND FORESTRY DIVISION

523 East Capitol Avenue

Pierre, SD 57501

Phone: 605.773.3623 Fax: 605.773.4003

sdda.sd.gov

GRANT APPLICATION FORM

Applicant Information

Organization: Hamlin Conservation District Mailing Address: PO Box 165
Telephone: 605-783-3642 City: Hayti State: SD Zip: 57241
Tax Status: Government

Project Contact

Project Officer: Peggy Loomis Telephone: 605-783-3642
Fax: _____ Email: hamlincd@sdconservation.net

Project Information

Project Name: 2020 Tree Plantings
Start Date: 07/01/2019 End Date: 06/30/2020
Legal description: County Hamlin
Township: _____ Range: _____
Section: _____ Qtr: _____

Type of Grant

- Conservation Grant Community Forestry
- Insect/Disease Invasive Species
- Forest Stewardship Mountain Pine Beetle
- Other (specify): _____

Financial Information

Grant funds requested: 10800 Partner contributions (total): 12840 Total project cost: 23640

Please give a brief, descriptive summary of the project (Use section D to provide project details)

The Hamlin Conservation District is applying for financial aid to landowners for tree planting and fabric installation. These tree plantings will include livestock shelterbelts, field windbreaks, riparian buffers, wildlife habitats, as well as to add new seedlings to existing decaying shelterbelts. They will provide benefits by reducing the wind thus reducing soil erosion, protecting livestock from adverse weather, improving water quality through the planting of riparian buffers and increasing wildlife habitat. This project will provide cost share for tree planting, fabric installation, and site prep for approximately seven acres of trees. The landowner will do all ground work, prior to 09/01/2019, with the trees being planted in spring of 2020. The project will be completed in 12 months, with a final report to follow. All tree plans will be approved by the State Forester. The 2019 Conservation Commission Docket will be followed for all cost percentages and guidelines.

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature Peggy Loomis Title District Manager Date 2/6/19

A copy of the state required [W-9 form](#) must be attached to this application.

OFFICE USE ONLY

Signature of Reviewer _____ Title _____ Date _____
Signature of Approval _____ Title _____ Date _____

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Cost" on page 1.

A. Operating Budget

1.	Salary/Benefits	1060	
2.	Travel		
3.	Contractual Services	22580	
4.	Supplies		
5.	Equipment (list major equipment)		
6.	Consultation Services		
Total Project Costs			This total must equal 23640

B. Activity Budget

	Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1.	Administration	530		530		1060
2.	Tree/Fabric	10110	11670			21780
3.	Site Prep	160	240			400
4.	Stop Charges	0	400			400
5.						
6.						
7.						
8.						
Totals		10800	12310	530		23640
This total must equal						23640

C. Project Partners

	Partners	Amount Cash	Amount In-Kind	Total
1.	RC&F	10800		10800
2.	HCCD		530	530
3.	Producers	12310		12310
4.				
5.				
6.				
7.				
8.				
Totals		23110	530	23640
This total must equal				23640

Please mail application and attachments to the South Dakota Department of Agriculture.

D. Project Description and Need

1. Primary Beneficiaries of this Project
 - i) Hamlin County Producers and land administered in the Hamlin County offices– provide cost-share for area producers to plant trees, install fabric, as well as adding new seedlings to existing aging shelterbelts.
 - ii) Surrounding Area – will benefit through reduced soil erosion, protection to crops, livestock and farmyard. These shelterbelts keep the cold winter winds at bay, as well as the hot summer winds. They give protection from deep snow piles to soil erosion. As well as reduce farmstead/feedlot energy costs, increased wildlife habitat and country aesthetics.
 - iii) Hamlin County Community – economic benefits through improved efficiency for livestock, reduction of energy costs, and improved value of land.
2. Responsible for implementation, maintenance, and follow-up
 - i) Hamlin Conservation District – our district will evaluate the proposed tree plantings and renovation sites to determine if the site is in need of additional coverage.
If it is determined feasible, a plan of action will be drawn up with the producer. Year 1 will include the plan of action, planting and installation of fabric, if requested.
Year 2 will include the replacement tree plantings, survival and monitoring of the site.
 - ii) Trees will be planted following approval from the area forester.
3. Indicate where this project will be located
 - i) This project will be located within The Hamlin County Conservation District boundaries, however, if producers who administer their land in Hamlin County apply, they too shall be funded for the project.
4. Describe the specific environmental, natural resource, ecological, educational needs the project will address
 - i) Environmental & Natural Resource – reduce soil erosion, improve and protect water quality, improve air quality, increase wildlife habitat, and use of more efficient energy.
 - ii) Social Impact – This Grant will help to beautify the community. Trees truly add to the beauty of the land. The decaying shelterbelts will be enhanced with new seedlings. More efficient use of our energy saves money which is a social benefit to our County.
5. Federal, State, or Local permits required to complete this project
 - i) Local zoning permits will be obtained if required. Cultural Resources are considered for all conservation activities.

E. Final Products

Expected benefits of the project include the conservation of the natural resources in Hamlin County through the planting and restoration of approximately 7 acres of shelterbelts. The goal is to improve such shelterbelts by adding new trees or replacing trees into the existing shelterbelts. New tree plantings will be established. Socio-economic benefits of the Hamlin Tree Planting Project will come as a result of increased aesthetics in rural areas and increased efficiency for homeowners. In addition, by improving existing shelterbelts, there is an increased awareness of resource conservation.

F. Partner Justification

1. The Hamlin County Conservation District will be responsible for the administration of the project. The 2019 Conservation Commission Approved Practices Costs and the Approved Cost-Share Percentages will be followed. The South Dakota Coordinated Soil and Water Conservation Plan will be followed. The district will conform to the goals and objectives of this plan. The district has an excellent tree planting program, and will be responsible for the planting of the trees/shrubs. The district will be responsible for the project management, marketing, shelterbelt design, technical assistance, and evaluation of the project.
2. The Conservation Commission Grant will be responsible for approximately 45% of the entire project.
3. The project will use the Area Forester for his or her resources for adaptable trees in the area, disease concerns, and general knowledge of trees.
4. If the project requires fencing needs, the producer will be referred to US Fish & Wildlife

for any possible fencing projects.

5. The tree plantings will follow the guidelines and specifications approved by the area forester.
6. The Landowner will have the most to gain from this project. He will provide at least 55% of the cost of the total project.

G. Success of the Project

Project success will be measured by the number of acres of new trees planted, along with the number of landowners assisted. Tree survival will be evaluated on all plantings in August and September of each year. The improvement of water quality, reduction of soil erosion, the protection of ground water, and the improvement of range and pastureland will be the true measures of success.

Success rates in projects of this variety are very hard to measure. At the rate that trees are being removed and not replaced, any new plantings should be considered a success! The value of these tree sites is incalculable.

Calculations for cost share percentages:

3111' per acre. 3111' x 7 acres = 21777' / 16.5 rr = 1320 rod rows (trees/shrubs/fabric)

Practice		District Charge		Total District Charges	Docket Charge	%	Total Allowed per Docket	District In-Kind	Producer
Admin	40 hrs @ \$26.48			\$1,060.00		50%	\$530.00	\$530.00	\$0.00
Trees/Shrubs (avg)	21777'= 1320 rr	\$5.50 avg	\$7,260.00		2.63 avg	50%	\$3,470.00		\$3,790.00
Fabric	21777'=1320 rr	\$11.00	\$14,520.00		\$5.03	50%	\$6,640.00		\$7,880.00
Trees/Shrubs/Fabric Totals				\$21,780.00		50%	\$10,110.00		\$11,670.00
Site prep	\$100/hour	\$400.00		\$400.00		40%	\$160.00		\$240.00
Site Chgs (Stop)	\$40 per stop	\$400.00		\$400.00		0%	\$0.00		\$400.00

\$23,640.00

\$10,800.00 \$265.00 **\$12,310.00**

45%

55%

HAMLIN COUNTY CONSERVATION DISTRICT
BOARD OF SUPERVISORS' MEETING
February 11, 2019 1:00 p.m.

SUPERVISORS PRESENT

Jared Namken, Chairman
James Anderson, Supervisor
Larry Brusse, Supervisor
Dorene Lemme, Vice Chair
Danny Limmer, Supervisor
Lenny Saathoff, Advisor
Burton Tesch, Advisor

OTHERS PRESENT

Peggy Loomis, District Manager
Jim Dylla, NRCS, District Conservationist
Jay Gilbertson, EDDWD
Eric Magedanz, Pheasants Forever

ABSENT

None

The Hamlin County Conservation District Board of Supervisors met Monday, February 11, 2019 at 1:00 p.m. in the district office. Chairman Namken opened the meeting.

At this time, all in attendance stood and recited The Pledge of Allegiance.

Public Comment. None.

Approve the Agenda. On a motion by Lemme, with a second by Anderson, the agenda was approved as written. All voted in favor. Motion passed.

Discussion was opened for the January Regular Board Minutes. Anderson made a motion to approve as read, with a second by Lemme. All voted in favor. Motion carried.

The Treasurer's Report and Accounts Receivable were approved on a motion by Brusse, with a second by Limmer. All voted in favor. Motion carried.

NRCS Report- Report as attached.

UNFINISHED BUSINESS:

Update on Services. Approx. 30 acres of trees planned for 2019 planting. Five tree plans are without fabric installation. One delinquent account is being handled through small claims. Most deposits have been received.

Supervisor Accreditation. Training Mod's. Limmer completed the mods. All Supervisors are now in compliance with the training.

Hamlin Tree Funding Project. Loomis presented a profit chart for the past three year's planting/fabric.

NEW BUSINESS:

Grant Updates. On a motion by Anderson, with a second by Brusse, the new Grant applications were approved to submit. Loomis will travel to Pierre in April. TA assistance will be researched for the new garden project, with a possible delay in project start date.

Budget. On a motion by Lemme, with a second by Anderson, the Proposed Budget was passed, with all voting aye. Loomis will forward to the appropriate offices.

Master Gardener. New class to be held in Watertown. This would be beneficial to the Youth Gardening Program. Loomis will consider attending.

Farm Show. Despite the weather, all were able to attend the booth. Options for 2020 farm show were discussed.

NACD Annual Meeting. Loomis had attended in San Antonio, Tx. Report will follow.

OTHER DISTRICT BUSINESS:

An invoice has been submitted to SDACD for the contribution agreement and the easement monitoring. Clark CD has a plan for EAB in their county. Hamlin CD to plan further on this topic.

Jay Gilbertson, EDDWD, discussed various projects in the works. Eric Magedanz, PF, discussed a future outreach project to be handled in Hamlin County.

The next district board meeting will be held on **Monday, April 8th, 2019** at 1:00 p.m.

Upcoming Dates:

Feb. 13 – Science Fair Judging

Feb. 18 – Office Closed. Presidents Day

Feb. 19 – County Commission Meeting – Hamlin Courthouse

Feb. 25 – Zoning Board Meeting – 4H Bldg, Hayti.

Mar. 4-6 - SDACDE Leadership Conference

Mar. 9-17 – District Manager on vacation

Mar. 22 – Arbor Day Essays due in District Office

Mar. 30 – All Scholarship Applications due in District Office

Apr. 11 – Conservation Commission Spring Grant Round in Pierre

Chairman Namken adjourned the meeting at 2:25 p.m. on a motion by Lemme, with a second by Brusse. All voted in favor. Motion carried.

Peggy Loomis, District Manager



805 MAIN STREET – P.O. BOX 457
KADOKA, SOUTH DAKOTA 57543-0457
PHONE (605) 837-2242 EXT. #3 CELL 280-6853
paula.holley@sd.nacdnet.net

Board of Supervisors

Ken Graupmann, Chairman
Dennis Sinkey, Vice-Chairman
Donita Denke, Treasurer
Trevor Williams, Supervisor
Ronnie Twiss, Supervisor

Advisors:

Gene Williams
Terry Pinney
Brandon Rock

District Staff:

Paula Holley, District Manager

NRCS Personnel:

Kelly O'Connell, District Conservationist
Mike O'Dea, Civil Engineering Technician

February 21, 2019

SD Conservation Commission
SD Department of Agriculture
Resource Conservation & Forestry
523 East Capitol Avenue
Pierre, SD 57501

Re: Shelterbelt Establishment Grant

Dear Conservation Commissioners,,

Jackson County Conservation District is submitting a grant application for a small shelterbelt. We have interest from a landowner to plant a shelterbelt for wildlife, livestock protection, and field windbreak. This producer has the ground ready and will be ready to plant in the spring of 2019.

The landowner working with the district had this portion ready to plant in 2014 with a much larger plan but due to a pest problem, he and the district decided not to plant this site. He has remedied the problem and is now ready to plant it.

These practices address soil health as well as benefits to wildlife, livestock and water quality.

Thank you in advance for your consideration of this grant.

Sincerely,

A handwritten signature in cursive script that reads "Paula J. Holley".

Paula J. Holley
District Manager
Jackson County Conservation District



SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

RESOURCE CONSERVATION AND FORESTRY DIVISION

523 East Capitol Avenue
Pierre, SD 57501

Phone: 605.773.3623 Fax: 605.773.4003
sdda.sd.gov

GRANT APPLICATION FORM

Applicant Information

Organization: Jackson County Conservation District Mailing Address: PO Box 457
Telephone: 605-837-2242 City: Kadoka State: SD Zip: 57543
Tax Status: Government

Project Contact

Project Officer: Paula Holley Telephone: 605-837-2242
Fax: _____ Email: paula.holley@sd.nacdnet.net

Project Information

Project Name: Shelterbelt Establishment
Start Date: 1/1/2019 End Date: 06/30/2020
Legal description: County Jackson
Township: _____ Range: _____
Section: _____ Qtr: _____

Type of Grant

- Conservation Grant Community Forestry
- Insect/Disease Invasive Species
- Forest Stewardship Mountain Pine Beetle
- Other (specify): _____

Financial Information

Grant funds requested: 461 Partner contributions (total): 461 Total project cost: 922

Please give a brief, descriptive summary of the project (Use section D to provide project details)

Jackson County Conservation District is seeking a grant to help establish shelterbelts. The shelterbelts are planned for different uses

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature Paula J. Holley Title District Manager Date 2/21/19

A copy of the state required [W-9 form](#) must be attached to this application.

OFFICE USE ONLY

Signature of Reviewer _____ Title _____ Date _____
Signature of Approval _____ Title _____ Date _____

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Cost" on page 1.

A. Operating Budget

1.	Salary/Benefits	116	
2.	Travel		
3.	Contractual Services	806	
4.	Supplies		
5.	Equipment (list major equipment) . . .		
6.	Consultation Services		
Total Project Costs			This total must equal 922

B. Activity Budget

	Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1.	Trees	403	403			806
2.	Administration	58		58		116
3.						
4.						
5.						
6.						
7.						
8.						
Totals		461	403	58	0	
This total must equal						922

C. Project Partners

	Partners	Amount Cash	Amount In-Kind	Total
1.	RC&F	461		461
2.	Landowner	403		403
3.	Jackson County C		58	58
4.				
5.				
6.				
7.				
8.				
Totals		864	58	
This total must equal				922

Please mail application and attachments to the South Dakota Department of Agriculture.

Resource Conservation and Forestry

Grant Application Guidelines

In addition to a completed application, please provide a project narrative. The narrative should not exceed three pages of single-spaced text. Please attach any maps, figures, and photographs that you feel are valuable in explaining the project. The project narrative must include:

Project Partners

- Please list any project partners and quantify their contribution to the project.
- Any practice funded by the Coordinated Natural Resources Conservation Grant funds must meet one or more goals of the Coordinated Plan for the Natural Resources Conservation.

Project Descriptions and Need

- Explain who will be the primary beneficiaries of this project.
- Define who will be responsible for the implementation, maintenance, and follow-up stages of the project.
- Indicate where this project will be located (district, watershed, community, etc.). Attach maps as relevant.
- Describe the specific environmental, natural resource, ecological, educational, and/or socio-economic need(s) that the project will address.
- Briefly describe the specific on-the-ground restoration activities to be undertaken on-site to achieve the project objectives and why it is needed.
- Explain if this project is part of a larger regional and/or local watershed effort.
- Describe provisions to ensure long-term management and protection of the project (e.g., conservation easements on private land, long-term monitoring program).
- Please indicate if any federal, state, or local permits are required to complete the project and the status of efforts to secure necessary authorization.

Final Products

- Describe the anticipated benefits of the project from an ecological, educational, and/or socio-economic perspective (e.g., number of acres of wetlands or stream miles restored, target audience and how they will benefit).
- Identify how you will measure the success of the project.

Partner Justification

- Describe the strengths, qualifications, and nature of the contribution of your organization and other collaborating organizations.
-

In addition to the application and project narrative, applications for Urban and Community Forestry Challenge Grants must also include:

- Completed sub-grant questionnaire.
- Submit a work plan outlining the activities you wish to accomplish through this grant.

Tree species selected must be at least 1¼ inch caliper and at least 10 feet tall in accordance with the American Standard for Nursery Stock (ANSI Z60.1 – 2006).

Jackson County Conservation District Shelterbelt Grant

Producer	Shrubs RR	Trees RR	Fabric Feet	Total Cost	Landowner		District Funds	Total Grant Project Cost
					Funds	Grant Funds		
S Bauman		179		\$805.50	\$402.75	\$402.75		
Admin						\$58.00	\$58.00	
TOTALS	0	179		\$805.50	\$402.75	\$460.75	\$58.00	\$921.50

PROJECT PARTNERS:

Partners will be the landowner installing the shelterbelts and providing funds, Resource Conservation and Forestry providing grant funds and Jackson County Conservation District assisting with planning, planting and paperwork.

Project Narrative:

This shelterbelt will be established. With limited options available for cost-share for shelterbelts there has been a back-log of producers with shelterbelt projects. A multitude of benefits will be observed by establishing shelterbelts. The producer that we are currently working with for this grant is addressing several different concerns with each individual shelterbelt, such as livestock protection, field windbreak, protection and food for wildlife. Not only will the initial concern be met with the establishment of the shelterbelt but other benefits that will be seen are soil health and reduced soil erosion.

Project Description and Need:

Overall beneficiaries from the established shelterbelts will be human kind, livestock and wildlife. Human kind will benefit from better water quality, reduced erosion and improved soil health. Livestock will benefit from the added protection in wind and cold weather which also reduces hay and water consumption with the benefited protection. Wildlife will be provided with nesting protection and sustainable food.

The producer, with planning and planting efforts from the conservation district, will implement the shelterbelt. Maintenance will be the landowners responsibility with the conservation district providing reminders on mowing, watering, and fabric care maintenance.

Project will be located within Jackson County.

Wildlife will benefit from all shelterbelts providing them shelter and food. Livestock will gain protection from the wind and elements with added benefits of reduced hay and water consumption because of the warmth of the shelter. Field windbreaks provide increased crop production. Over all soil health is increased with the reduction of soil erosion and additional plant biomass. Water quality is increased by reducing surface runoff, soil erosion and helps with the removal of nitrates and other chemicals.

Management and Project Protection:

Contracts will be written with the producer and will state maintenance of the projects for the lifetime of the practice following the NRCS guidelines. All tree plans and projects will have prior approval from the forester as required by the grant process.

All required permits will be obtained prior to start of project.

Final Products:

Approximately 1 acre of trees will be planted that will benefit the land and natural resources. Wildlife will benefit from all shelterbelts providing them shelter and food. Livestock will gain protection from the wind and elements with added benefits of reduced hay and water consumption because of the warmth of the shelter. Field windbreaks provide increased crop production. Over all soil health is increased with the reduction of soil erosion and additional plant biomass. Water quality is increased by reducing surface runoff, soil erosion and helps with the removal of nitrates and other chemicals.

Partner Justification:

The landowner participating in this project will provide approximately 51% of the cost of establishing these practices. The landowner will work with the conservation district, NRCS, and SD Dept of Agriculture to create the best plan and species for each site to accommodate the soil type and purpose of planting.

Identify how you will measure the success of the project:

The success of this project will be measured by the acres of cropland, grassland, water bodies, livestock and wildlife habitat that will benefit from the shelterbelt. Also considered for project success will be the aesthetic value and energy benefits that will be created by this project.

TECHNICAL NOTE

WOODLAND TECHNICAL NOTE NO. 42

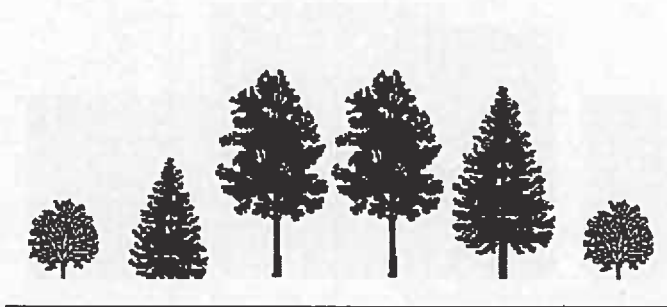
May 8, 2018

WINDBREAK DESIGN GUIDE

It is important to determine the purpose of the tree planting. Only through an onsite inspection of the area, understanding the objectives of the landowner and identifying natural resource concerns, can a successful plan be developed that will accomplish the intended purpose. Any tree planting is a long-term project; it is important to plan it right the first time. This document outlines a variety of design options that have proven successful and will meet technical standards for various windbreak plantings in South Dakota (SD).

TABLE OF CONTENTS

Subject Matter	Page
Conservation Tree/Shrub Groups	2
Design Guidelines for All Windbreaks	2
Design Guidelines for Specific Windbreak Purposes	4
Composition and Spacing Guidelines for All Windbreaks	8
Spacing Guidelines	10
Specialty Designs	12
Optional Documents for Landowner Use	13



CONSERVATION TREE/SHRUB GROUPS

A Conservation Tree/Shrub Group (CT/SG) is a physiographic unit or area having similar climatic and soil characteristics that control the selection and height growth of trees and shrubs. All soil map units are placed in 1 of 10 main groups. Several of the groups are further divided into subgroups. The CT/SG's are used for selecting species best suited for different kinds of soil and for predicting height growth at 20 years (per CT/SG). **If there is no height value listed, the species is not recommended for planting on the soil in that group.** Soil map units should be verified in the field and landscape positions considered. Refer to Section II, Statewide Soil and Site Information, Windbreak Interpretations, of the SD Technical Guide (SDTG) for a description of each CT/SG and subgroup. Use the groups in "Expected Tree and Shrub Heights at 20 Years" to select trees and shrubs that are recommended for the soils on the proposed planting site and for determining expected heights in 20 years.

DESIGN GUIDELINES FOR ALL WINDBREAKS

A. SPECIES SELECTION

To determine which trees and shrubs are adapted to the site, see the document "Expected Tree and Shrub Heights at 20 Years" under Windbreak Interpretation in Section II of the SDTG. Windbreak species will be selected that are compatible with the soils on the site. Those species suited for each CT/SG show a value for expected height in 20 years. Be aware of changes in soil properties within the planting site as they may require a species change within the row.

Native trees and shrubs that achieve planning objectives will be utilized whenever possible. If nonnative plants are to be included in a windbreak, use only those that are noninvasive in the area. Be particularly cautious about including Russian-olive in the planting. Because it may invade and displace native flora, do not plant it within or near riparian areas.

Green Ash should not be promoted as a plantable tall tree species in new and renovated windbreaks due to the threat of Emerald Ash Borer, even though it is a native plant. With the threat of the Emerald Ash Borer, it is wise not to become dependent on Green Ash as the only tall tree component of a windbreak. If Green Ash is needed due to soil issues or site issues, then it should be alternated in each row planted consisting of no more than 25 per row.

Diversity of tree/shrub species is recommended in windbreak designs to minimize insect, disease, animal, and other potential pest problems. It is recommended that no more than two rows of a windbreak contain the same species unless soil conditions limit the number of choices.

Alternating species within the row may be considered under certain circumstances or to reach specified objectives. If species are alternated, they need to have a similar size, density, and growth habit at maturity.

B. ORIENTATION

When designing a windbreak, consider the effects of the surrounding topography and land management on the ability of the windbreak to perform its function. Items to consider include: areas of snow drifts, water runoff from melting snow drifts, water erosion potential, stifling of air flows during the summer, and visibility hazards, etc.

The plantings should be oriented as close to perpendicular to the troublesome winds as possible. Any wind direction may be troublesome, depending on the land use and season(s) of use. For snow control or snow harvest purposes and for winter livestock or farmstead protection in SD, predominant winter winds come from the north and northwest.

On sloping land, windbreaks should be located as near to the contour as possible to reduce erosion risks and water loss.

C. SETBACKS AND EASEMENT AREAS OF UTILITIES

Windbreaks shall not be located closer than 16 feet to any property line unless a signed agreement between both landowners exists that would permit a closer planting.

No trees or shrubs shall be planted within the easement area of overhead power transmission lines. Whenever below ground utilities are in close proximity to a windbreak planting the utility company's one call system will be contacted prior to completing the design and again prior to planting (SD One Call). Species that will not interfere with local utility lines, and are approved in writing by the easement holder, may be considered for incorporation into the windbreak planting.

The windward row of plantings north or west of roads will be a minimum of 160 feet from the shoulder of the road. Leeward rows of windbreaks located on the north or west of a road, even with the minimum 160' setback to the windward row, should be no closer than 100 feet to the nearest traveled portion of a public road. This setback distance also applies to the ends of windbreaks that are perpendicular to roads. See Figure 1.

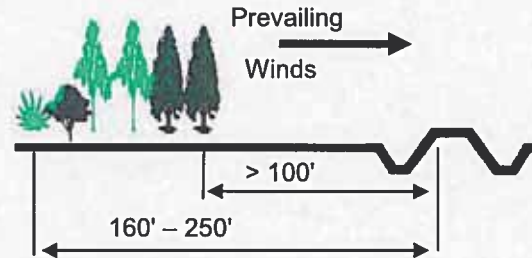


Figure 1

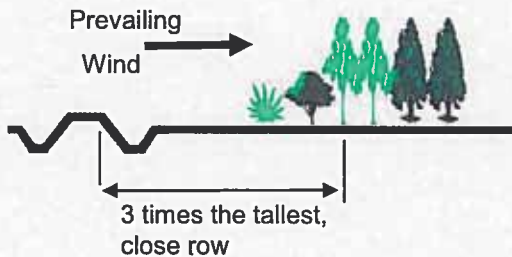


Figure 2

Windbreaks planted south or east of roadways shall be located no closer to the road than three times the 20-year height. The 20-year height shall be determined from Expected Tree and Shrub Heights at 20 Years" for the CT/SG. The closest tall row shall be used to determine the setback distance and in no case shall the row closest to the roadway be any closer than 100' from the traveled portion of the roadway unless county ordinance allows. See Figure 2.

In all cases, if local units of government have established more restrictive setback distances, then the more restrictive regulations will apply.

D. DESIGN HEIGHTS

Windbreak designs are based on the downwind protection provided by the tallest row in the windbreak at 20 years of age. The design of tree and shrub plantings must accomplish the intended purpose and function within a 20-year period. This distance is measured in multiples of windbreak height and is referred to as H. The "H" equals the estimated height of the tallest tree row in the windbreak at 20 years.

Expected 20-year tree heights under good management can be found in Section II of the SDTG under Statewide Soil and Site Information, Windbreak Interpretations; or they may be estimated based on performance of comparable species in nearby areas on similar sites.

E. DESIGN DENSITY

Windbreak densities can be controlled through the type of plants, within row spacing, and the number of rows used. Windbreaks installed for different purposes have different density requirements.

Zones of protection will vary depending upon density and height of the windbreak. Generally, a denser windbreak will have greater wind speed reduction immediately behind the windbreak but a smaller downwind zone of protection. The location and extent of snowdrifts are also dependent on the density of the windbreak. See the density table on Page 12.

As a windbreak's width approaches 10 times the height of the windbreak, the effect on wind flow changes and behaves more like wind passing over a forest or woodlot. Under these conditions the zone of protection downwind from the windbreak is greatly reduced.

When relying upon a single row, extra maintenance is required to ensure that no gaps develop in the windbreak.

DESIGN GUIDELINES FOR SPECIFIC WINDBREAK PURPOSES

A. FIELD WINDBREAKS FOR WIND EROSION CONTROL AND CROP PROTECTION

Windbreaks for wind erosion and crop protection should provide protection, in the critical season which the crop will be growing or tillage occurs. The predominant wind direction(s) per month can be found at: <http://climate.sdstate.edu/windrose/windrose.shtm>.

Use 10 times the 20-year height (H) of the tallest tree row, measured parallel to the problem wind to determine the protected area. This measurement, when combined with the results of the most current wind erosion calculations, will determine the appropriate windbreak spacing across a field to achieve desired soil loss objectives. An area two times the height (2H) is protected on the windward side (upwind) of the windbreak. To increase farm ability between windbreaks, plan the spacing between windbreaks to those of even tool bar widths.

A windbreak density of 40 percent (%) to 60 % is required for wind erosion control. One to three rows of deciduous shrubs or trees, and/or one row of conifers will provide the density needed for wind erosion control and crop protection windbreaks. Additional rows may be added to achieve landowner objectives, such as enhancing wildlife habitat. A series of windbreaks may be used to protect a larger tract as part of an erosion control system. In most situations, five rows will meet all soil erosion and crop protection objectives.

Windbreaks needed primarily for wind protection of crops shall be located to intercept the troublesome winds at the critical growth stage of the crop needing protection. Select species that are taller than the crops being protected. For some sensitive crops, any wind erosion, even below the soil loss tolerance (T), may be damaging to the crop. Windbreak systems should be designed to address the maximum amount of soil erosion that the planned crop can withstand.

Usually more than one row of non-suckering shrubs or deciduous trees will be needed to provide adequate wind protection for specialty crops. Ensure that the planting has adequate density close to the ground.

Some crops and their annual soil loss tolerance to windblown soil are listed below:

- Tolerant (three tons): barley, oats, rye, wheat
- Moderate tolerance (two tons): corn, grain sorghum, sunflowers
- Low tolerance (one ton): apples, cherries
- Very low tolerance (<one ton): alfalfa, vegetables, potatoes

B. FIELD WINDBREAKS FOR SNOW HARVEST

The planned density shall be from 25 to 50% when snow distribution is the primary purpose.

Because they form a dense winter barrier, suckering shrubs, spruces, junipers, or cedars are not suitable for field windbreaks designed for snow spreading.

One row of non-suckering shrubs, deciduous trees, or pines is appropriate for snow spreading windbreaks. Multiple row plantings may become too dense to effectively spread snow. Be alert to how increasing density may result in deep snowdrifts formed behind these barriers; delaying spring fieldwork.

When relying upon a single row, extra maintenance is required to ensure that no gaps develop in the windbreak.

Lower limbs may be pruned on pines or trees, and shrubs thinned to increase snow distribution, reduce drift height and subsequent delays in field operations near the windbreak.

Windbreaks designed for snow spreading will be oriented as close to perpendicular to the snow-bearing wind as possible. For optimal snow distribution the maximum interval between barriers should not exceed 20H (this is not mandatory).

C. FIELD WINDBREAKS FOR SNOW CONTROL (LIVING SNOW FENCE)

A 50% dense windbreak will store the most snow. Three or more rows of deciduous trees, shrubs, or conifers are required for snow control.

A denser windbreak does not store as much total snow, but the snowdrift will be deeper and closer to the windbreak.

The windward row should be 160 to 250 feet from the shoulder of the road or the area to protect.

Ends of windbreaks should extend 160 to 200 feet past the area needing protection to account for snow eddying around the end and to allow for shifts in wind direction.

Maximum snow deposition will usually occur within a zone located 2H to 5H from the most windward dense row.

D. SHELTERBELTS FOR BUILDING SITE AND LIVESTOCK PROTECTION

Windbreaks planted for wind protection and/or snow management are required on the north and/or west sides of the area needing protection. Conditions may also dictate that windbreaks be established if needed on the east side of the site. They are considered primary windbreaks and are installed to provide winter protection. The windward row must be a minimum of 200 feet from the area needing protection, except where ownership or soil conditions restrict the planting.

- I. All areas needing protection should be located within the 10H - 15H (20 year height in CT/SG) zone on the leeward side of the windbreak.
- II. For best performance, ends of windbreaks should extend at least 200 feet past the area needing protection for to account for end effects and to allow for shifts in wind direction (this is not mandatory).
- III. The minimum number of rows required for primary shelterbelts to achieve optimum winter protection, and the space required to store drifted snow in the windbreak are:
 - a) Six (6) rows of trees and shrubs for Major Land Resource Areas (MLRA's) 54, 58D, 60A, 61, 62, 63A, 63B, 64, 65, and 66.
 - b) Seven (7) rows of trees and shrubs for MLRA's 53B, 53C, 55B, 55C, 102A, 102B, and 102C.
 - c) If the proper setback distances have been observed in the design, the number of rows in a primary windbreak may be reduced by one for each of the following that occurs:
 - Planting the first windward row to Spruce, Juniper or Red Cedar.
 - An effective field windbreak is located less than 600 feet windward and parallel to the proposed windbreak.
 - A snow trap of one or more rows of shrubs or conifers is located 50 to 150 feet windward and parallel to the proposed windbreak. Snow traps located upwind of primary windbreaks can increase effectiveness of the rest of the windbreak system by reducing the amount of snow that is stored in the primary windbreak.

- IV. For complete snow storage under severe blizzard conditions, a total windbreak width of at least 120 feet is necessary.
- V. Trapping of snow outside the primary windbreak in western SD areas should be planned with caution, since the removal of snow moisture from the root zone of the main windbreak may impact the life and effectiveness of the windbreak.

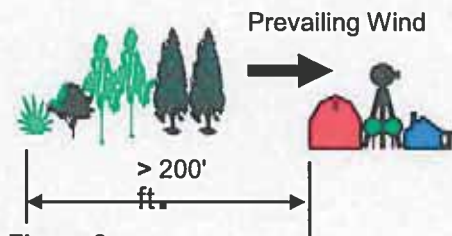


Figure 3

For windbreaks north and/or west of the area needing protection, the most windward row must be at least 200 feet from the area to be protected.

- VI. For snow control, windbreaks should not be placed farther from the area needing protection than 35 times the expected 20-year height of the tallest species to be planted or 600 feet, whichever is smaller.
 - VII. If there is insufficient space or suitable soils, a narrower windbreak is permissible, though a minimum of one shrub row and two deciduous tree rows; or two coniferous rows shall be established.
- Secondary windbreaks are located on the leeward sides, usually the south and east, of the area protected by the primary windbreak.
 - Secondary windbreaks should be located far enough away from the area needing protection to allow snow deposition where it will not be a problem and to provide year-round accessibility in and around the area protected.

The inside tree or shrub row in windbreaks on the south and east of areas needing protection shall not be any closer than 100 feet, except where ownership or soil conditions restrict the planting. Where solar gain during the winter is important, windbreaks on the south side of a building site shall be no closer than three times the mature height of the tallest plant.

- Secondary windbreaks usually consist of shrubs or widely spaced trees to stop the rare snowstorm from the south or east while allowing summer breezes to penetrate the protected area.

Any design of one or more rows is acceptable for a secondary planting.

Avoid total enclosure of a building site or feedlot with tall dense species. Cooling summer breezes are often desirable and such a design would stifle summer breezes and ventilation and could trap cold air in winter months.

E. SHELTERBELTS AS NOISE SCREENS

Noise barriers reduce noise by deflecting the noise away from the observer, or by absorbing some of the noise before it reaches the observer, or both.

Noise barriers are most effective when they can be placed as close as possible to the noise source. See Figure 4.

Where year-round noise reduction is desired, conifers should constitute the majority of the planting. Deciduous trees or shrubs can be used as long as the planting achieves at least 65% density during the time of year when noise is a problem.

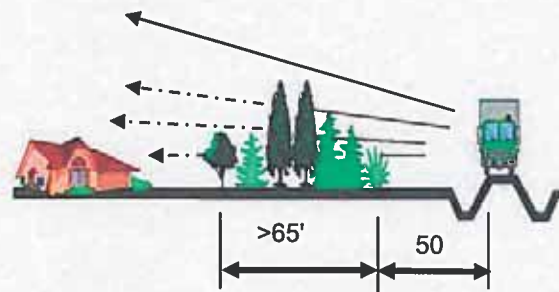


Figure 4. Vegetative Sound Barrier

Barriers for reducing high-speed traffic noise must be at least 65 feet wide.

Barriers for reducing moderate speed traffic noise levels must be at least 20 feet wide.

Noise barriers must be twice as long as the distance from the observer to the noise source.

No matter how severe the noise, barriers shall not be positioned where the barriers will cause snow deposition or drifting on the road sufficient to create a safety hazard to the traveling public.

F. SHELTERBELTS AS VISUAL SCREENS

Rows of trees or shrubs shall be placed between the observer and the undesirable view needing screening. Visual screens shall be located as close to the observer as possible.

Consider using species that are aesthetically pleasing to the observer or landowner for visual screens.

Be cognizant of differences between conifers and deciduous trees on screen effectiveness during leaf-off conditions.

Where visual screens may cause snow problems on roads or building sites, the more restrictive setback distances for snow control must be followed.

G. SHELTERBELTS TO PROVIDE OR ENHANCE WILDLIFE HABITAT

In multiple row plantings containing more than three rows, the leeward rows may be planted in groups or segments containing five or more plants of one species alternated with five or more plants of another species in a series to enhance wildlife values.

H. WINDBREAKS TO INTERCEPT AND REDUCE AIR BORNE PARTICULATE MATTER, CHEMICALS, AND ODORS

Windbreaks improve air quality in two ways - by reducing the wind velocities across a source area of particulates, chemicals or odor; and by intercepting particulates, chemicals or odors onto the leaves, twigs, and bark of the windbreak plants downwind of the source area.

- I. Where appropriate, use the tallest trees appropriate for the site. Tall trees can intercept more of the laterally moving air mass.
- II. Windbreak density upwind of a source area for chemicals or odors should be 50% or greater to reduce the air flow into the source area. Windbreak density downwind of the source area should be at least 65% dense to protect the affected downwind sites. Multiple rows of tall trees provide more living matter that can intercept drift.
- III. When installing a system of belts to reduce drift, the distance between each belt should not exceed a maximum of 10 times the expected 20-year tree height. Encourage landowners to use methods and machinery that minimize drift thereby reducing the

amount of particulate matter, chemicals, or odors moving offsite that must be trapped by the windbreak.

- IV. Orient windbreaks so that facilities, equipment, and management are not adversely affected as the planting matures. (back pressure on fans, access for feeding and loading, places to push snow, etc.).

I. WINDBREAKS TO IMPROVE IRRIGATION EFFICIENCY

Windbreaks can improve irrigation efficiency by reducing evaporation at the sprinkler head, reducing evaporation from the plants and soil surface, and by reducing transpiration through the plant.

- i. Plantings of tall trees just outside the arc of sprinklers can provide some of the benefits listed above, as long as they intercept the troublesome winds.
- ii. Install a system of narrow shrub rows that are short enough to allow the sprinklers to pass overhead. These shrub rows can reduce transpiration from the growing crop and provide a microclimate that yields greater production. Benefits to the crop primarily accrue through stress reduction on the growing crop, protection during critical stages, and erosion reduction.

J. SHELTERBELTS TO INCREASE CARBON STORAGE

Carbon sequestration can be realized through several different mechanisms; cessation of soil tillage, accumulation of carbon in roots and upper tree material, and accumulation of a duff layer.

- i. Maximum carbon sequestration can be expected through:
 - a) Close row spacing that maximize plants per acre without unduly causing plant stress that would lead to early mortality.
 - b) Maximize the width and length of the windbreak to fit the site.
 - c) Planting trees that will grow large, with extensive and deep root systems and are long lived.
 - d) Harvest of woody material for lumber or alternative fuels.
- ii. For maximum carbon storage, minimize amount of tillage within the planting to that necessary for establishment.
- iii. For long-term carbon sequestration, establish and maintain adequate firebreaks to prevent catastrophic loss of the planting.

COMPOSITION AND SPACING GUIDELINES FOR ALL WINDBREAKS

For sustainability and long-term effectiveness, plan for a diversity of species within the planting. It is recommended that no more than two rows of a windbreak contain the same species unless soil conditions limit the number of choices.

Most often a single species will be planted in each row; but mixing compatible species within the row can reduce the spread of some insects and diseases. Alternating species within the row may be considered under certain circumstances or to reach specified objectives. If species are alternated within the row, they must have a similar mature size and growth habit. Do not alternate shrubs and trees or conifers and deciduous trees. Mature height of the species alternated must be within 10%.

For most situations, a shrub or conifer will be used in the most windward row of a multiple row planting to provide additional snow (moisture) for the growing plants within the planting and to stop most of the snowdrift in the windbreak.

TABLE 1. SUGGESTED ROW ARRANGEMENT FOR DIFFERENT SIZE WINDBREAKS

Width of belt (number of rows)	6	8	10
Shrubs	1,2,6	1,2,7,8	1,2,7,8,9,10
Red Cedar or Juniper	1,2,5	1,7,8	1,7,8,9,10
Midsized deciduous trees (<25' tall)	2,3,4,5,6	2,3,4,7,8	2,3,4,5,6,7,8,9,10
Pine or Spruce	1,5,6	1,6,7,8	1,6,7,8,9,10
Tall deciduous trees (>25' tall)	3,4,5	3,4,5,6	3,4,5,6,7

Row 1 is the windward or outside row in relation to the area protected. For a 5, 7, or 9 row windbreak, eliminate row 3 of a 6, 8, or 10 row windbreak in the above table.

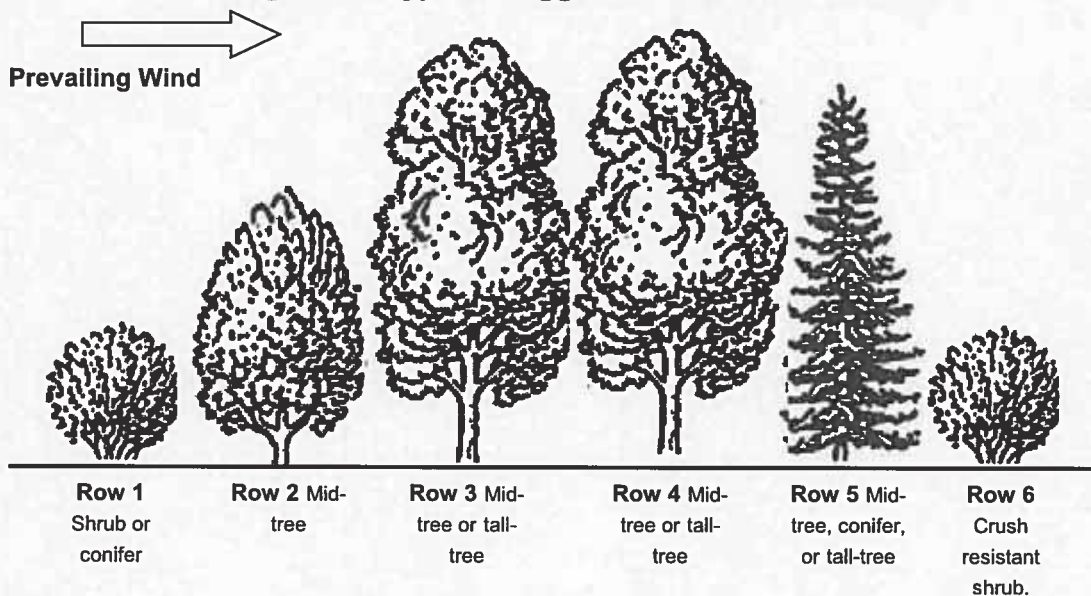
For windbreaks wider than 10 rows, the additional rows can be anything other than tall deciduous trees.

Because of snow breakage issues and possible loss of the second row, a mid-sized deciduous tree species that can withstand crushing is strongly recommended for row 2. Additionally, if an evergreen is planted in row 1, a shrub should not be planted in row 2.

If the windward row is planted to Juniper or Red Cedar, it is recommended that the in-row spacing be 10 feet apart to avoid breakage during heavy snow conditions.

A species should be shade tolerant if it is shorter than the species planted in either adjacent rows.

Figure 5 - Typical Suggested Windbreak Profile



The most effective windbreak planting has 5 or more rows of deciduous and evergreen trees and shrubs. The greater the height of the trees within the windbreak, the greater the downwind distance protected.

The drawing above depicts a suggested layout of a six row windbreak. Row 1 is the windward row. Arrange row with one row of shrub, or conifer on the windward side to provide low level density to stop most of the snow in the windbreak. Taller trees should be in the center to provide the greatest possible downwind zone of protection. The inside rows can be planned to provide food for wildlife and/or people;

woody decorative florals; or attractive flowering or leaf color displays. When selecting species for interior rows of a windbreak important considerations are species shade tolerance, ability to withstand competition, and snow load.

In multiple row plantings the species with the shortest 20-year height and slower growing species should be planted in outer rows so they are not overtopped by fast growing and taller species.

SPACING GUIDELINES

Table 2: Recommended Plant Spacing within the Row for new plantings

Plant Type	Windward (first) row or single row windbreaks	Interior or Leeward rows
Shrubs	3 – 6	4 - 6
Mid-sized deciduous trees <25' at maturity	6 – 10	8 - 12
Junipers and cedars	8-10	8-16
Tall deciduous trees >25' at maturity	8 – 12	10 - 16
Pine and larch	8 – 10	10 - 16
Spruce	8 – 12	12 - 18

Note: When determining whether a species is short, or tall, refer to the maximum height column in "Expected Tree and Shrub Heights at 20 Years by CT/SG."

Between row spacing

Spacing between adjacent rows can vary or be uniform. If plantings are to be sprayed, mowed, or cultivated to manage vegetation between rows, plan the row spacing at least four feet wider than the width of the equipment to be used. Maximum row spacing will depend on site conditions, species selected and planned barrier purpose; but will not exceed 22 feet. Optimum average between row spacing is 14 to 16 feet (preferred but not mandatory).

Several species require specific row spacing recommendations due to rapid growth rates and form. Rows of conifers and deciduous trees should not be established within 22 feet of cottonwoods, hybrid poplars, silver maple, white poplar and/or tree willows. Rows of conifers and deciduous trees should not be established within 20 feet of Siberian elm.

Using the wider spacing will usually provide better growing conditions for the tree but will increase the time before canopy closure, if closure happens at all. Canopy closure in the eastern part of the state can be fairly effective at controlling unwanted herbaceous vegetation. In the western part of the state, moisture stress and the presence of grass and weeds, limits the effectiveness of canopy closure as a weed control method.

Isolation strip

An isolation strip shall be included in the windbreak design. Maintain the isolation strip for the life of the planting. The minimum width of the isolation strip will be eight feet for unfenced plantings. For fenced plantings, the minimum width of the isolation strip will be equal to the average between row spacing or to the width of the maintenance equipment plus four feet.

Table 3. Density Requirements

Tree and Shrub Combinations to Achieve Desired Densities	Density of Windbreaks (see Agroforestry Note #36 from September 2007 http://nac.unl.edu/documents/agroforestrynotes/an36w03.pdf for pictures and more information)		
	25 – 40%	40 – 60%	60 – 80%
1 row deciduous tree	Snow distribution		
3 rows deciduous or 1 row conifer		Crop protection	
3 to 5 rows shrubs, conifers, or trees		Living snow fence	
3 to 5 rows deciduous trees or shrubs		Wind erosion control	
5 to 6 rows of shrubs, conifers, and trees			Winter protection of structures, livestock, and farmsteads
3 rows deciduous or 1 row conifer		Improved air quality-Windward side of odor source	
3 rows of conifers			Improved air quality-Leeward side of odor source
1 row conifer or 3 rows deciduous tree/shrub or combination			Visual screens
3 rows of conifers			Noise screens

Barriers with less than 20% density provide little useful wind protection. A windbreak with 50% density stores the most snow and provides the greatest downwind area of protection.

Windbreaks with only deciduous trees cannot achieve greater than 50% density in leaf-off condition.

The species used and their arrangement, the number of rows and the distance between rows, the distance between trees in the row and leaf retention (season) are the main factors controlling windbreak density. Increasing the number of rows or decreasing the distance between trees increases density. Conifers provide better year-round density, while tall deciduous trees are used to provide greater height, and; therefore, a greater zone of downwind protection.

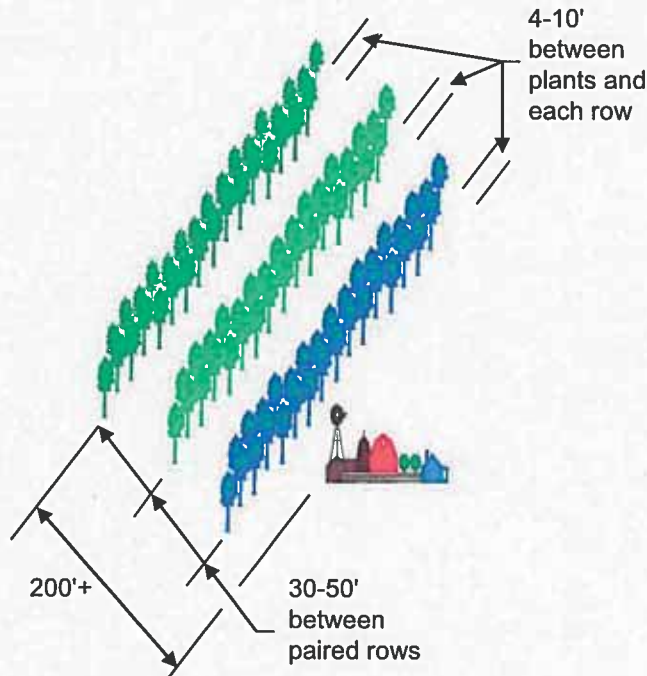


Figure 6. Twin-Row, High-density Windbreak

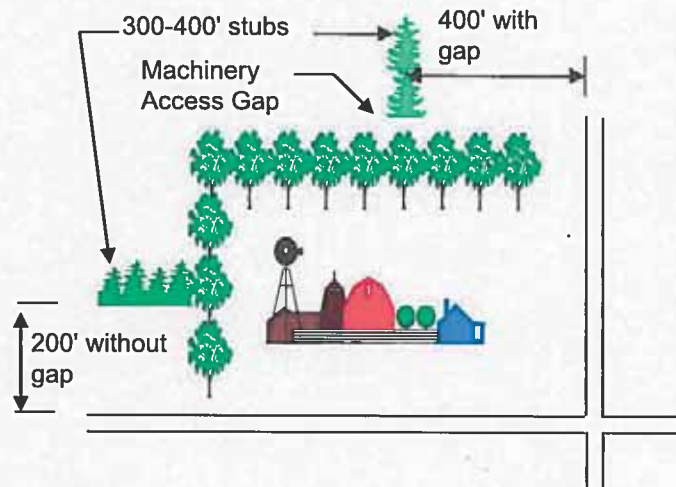


Figure 7. Windbreak Stubs for Snow Control

SPECIALTY DESIGNS

A. TWIN-ROW HIGH-DENSITY WINDBREAKS

Each pair of twin rows will be planted to the same species.

Twin-row high-density windbreaks installed as primary windbreaks for snow control/stoppage and livestock/building site protection shall consist of at least three pairs of twin-rows. The most windward row of the most windward pair must be at least 200 feet from the area needing protection.

Within-row spacing for each pair of a twin-row high-density windbreak will depend on the species type to be planted. Spacing between rows within each pair shall be the same as the within row spacing.

For secondary windbreaks, one or more sets of paired rows of a twin-row high-density planting is adequate.

The spacing between sets of paired rows in the windbreak will be 30 to 50 feet.

B. WINDBREAK STUBS FOR SNOW CONTROL

To reduce end effects where existing windbreaks are creating unwanted snowdrifts on roads or other areas needing protection, establish short windbreak stubs. These 300-400 foot stubs shall consist of 1-3 rows designed as a snow stoppage windbreak and oriented perpendicular to the problem legs of the existing windbreak.

For noncropland sites, the stubs may be planted immediately adjacent to the existing tree rows. With no access gaps, the stubs

may be placed as close as 200 feet from the near edge of the area needing protection.

For cropland sites, leave a 50-80 foot machinery access gap between the existing trees and the new trees. When access gaps are a part of the design, the stub rows should be located 400 feet from the near edge of the area needing protection. Access gaps may be incorporated into designs on noncropland also, based on landowner desires, but the greater setback distance will apply. See Figure 7.

OPTIONAL DOCUMENTS FOR LANDOWNER USE

1. How Windbreaks Work <http://nac.unl.edu/documents/morepublications/ec1763.pdf>
2. Windbreak Establishment <http://nac.unl.edu/documents/morepublications/ec1764.pdf>
3. Windbreaks in Sustainable Ag <http://nac.unl.edu/documents/morepublications/ec1772.pdf>
4. Windbreaks and Wildlife <http://nac.unl.edu/documents/morepublications/ec1771.pdf>
5. Windbreaks for Rural Living <http://nac.unl.edu/documents/morepublications/ec1767.pdf>
6. Windbreaks for Livestock Operations
<http://nac.unl.edu/documents/morepublications/ec1766.pdf>
7. Windbreaks for Snow Management
<http://nac.unl.edu/documents/morepublications/ec1770.pdf>
8. Windbreak Management <http://nac.unl.edu/documents/morepublications/ec1768.pdf>
9. Windbreak Renovation <http://nac.unl.edu/documents/morepublications/ec1777.pdf>
10. Field Windbreaks <http://nac.unl.edu/documents/morepublications/ec1778.pdf>
11. Edible Woody Landscapes for People and Wildlife
http://nac.unl.edu/documents/morepublications/sfp3_EdibleWoodyLandscapes.pdf



Department of Agriculture

Division of Resource Conservation & Forestry

Grant Application Form

Applicant Information:

Organization: Kingsbury Conservation District
Telephone: (605) 854-3183
Tax Status: Government

Mailing Address: Po Box 85
City: Desmet
State: SD Zip: 57231

Project Contact:

Project Officer: Tanya Flegel
Fax: _____

Telephone: (605) 854-3183
Email: kingsburycd@sdconservation.net

Project Information:

Project Name: Coed Conservation Education
Start Date: 7/012019 End Date: 6/30/2020
Legal description: County: Kingsbury
Township: _____ Range: _____ Section: _____ Qtr: _____ Qtr: _____

Type of Grant:

- Conservation Grant
- Community Forestry
- Insect/Disease
- Invasive Species
- Forest Stewardship
- Mountain Pine Beetle
- Other (Specify) _____

Financial Information:

Grant Funds Requested: 3,000 Partner Contributions (total) 2,500 Total Project Cost: 5,500

Please give a brief, descriptive summary of the project (Use Section "D" to provide project detail)

This grant is for Conservation Education. We feel the best way to promote conservation in our county is through conservation education. Activities through this grant may include land judging, Arbor day activities, soil and water stewardship, parades, web design, conservation speech contest, and any other education activities that may arise. Growing youth, an program to encourage our youth to plant gardens, give seminars, build raised beds, buy seeds and plants. This is a new step forward in the conservation field with urban conservation, I believe we are ahead of most districts when it comes to new innovated ideas for our future land owners. Our land judging helps prepare our kids for the state and national contest. This will help us to introduce the younger generation to the importance of trees and protecting the soil.

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature Richard Abrahamson Title Supervisor Date 2-25-2019
Authorized Signature _____

A copy of the state required [W-9 Form](#) must be attached to this application.

For Division Use Only:

Reviewed by: _____
Signature Title Date

Approved by: _____
Signature Title Date

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Costs" on page 1

A. OPERATING BUDGET

- 1. Salary/Benefits _____
- 2. Travel _____
- 3. Contractual Services _____
- 4. Supplies _____
- 5. Equipment (list major equip.) _____
- 6. Consultant Services _____
- Total Projects Costs** _____ This total must equal _____

B. ACTIVITY BUDGET

Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1. _____	_____	_____	_____	_____	_____
2. _____	_____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____	_____
5. _____	_____	_____	_____	_____	_____
6. _____	_____	_____	_____	_____	_____
7. _____	_____	_____	_____	_____	_____
8. _____	_____	_____	_____	_____	_____
TOTALS	_____	_____	_____	_____	_____

This total must equal _____

C. PROJECT PARTNERS: Please list the names of ALL project partner organizations, the value of their contribution, and indicate whether the contribution is cash or in-kind.

Partner	Amount Cash	Amount In-Kind	Total
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
TOTALS	_____	_____	_____

This total must equal _____

SUBMISSION:

Please mail one complete application, including any attachments, to:

**SD Department of Agriculture
Resource Conservation & Forestry
523 E. Capitol Avenue
Pierre, SD 57501-3182**

SECTION D. – C. PROJECT PARTNERS:

Project Narrative Instructions: (Total narrative should not exceed three pages of single-spaced text. Please attach any maps, figures and photographs you feel are valuable in explaining the project.)

INSTRUCTIONS

Complete the following section for Coordinated Natural Resources Conservation Grants

NOTE: Any practice funded by the Coordinated Natural Resources Conservation Grant funds must meet one or more goals of the Coordinated Soil & Water Conservation Plan.

D. Project Description and Need

- Explain who will be the primary beneficiaries of this project (who will receive the benefits when this project is complete)
- Define who will be responsible for the implementation, maintenance and follow-up stages of the project
- Indicate where this project will be located (district, watershed, community, etc. Attach maps as relevant)
- Describe the specific environmental, natural resource, ecological, educational and/or socio-economic need(s) the projects will address
- Briefly describe the specific on-the-ground restoration activities to be undertaken on-site to achieve the project objectives, and why it is needed
- Explain if this project is part of a larger regional and/or local watershed effort
- Describe provisions to ensure long-term management and protection of the project (e.g., conservation easements on private land, long-term monitoring program)
- Please indicate if any federal, state or local permits are required to complete the project and the status of efforts to secure necessary authorization

E. Final Products

- Describe the anticipated benefits of the project from an ecological, educational, and/or socio-economic perspective (e.g., number of acres of wetlands or stream miles restored, target audience and how they will benefit)

F. Partner Justification

- Describe the strengths, qualifications and nature of the contribution of your organization and other collaborating Organizations

G. Identify how you will measure the success of the project.

Complete the following section for Urban and Community Forestry Challenge Grants

General Grant Requirements

- Complete a sub-grant questionnaire and submit with grant application. The **Supplemental questionnaire for UCF Subgrants is required as part of the application.**
- Tree species selected must be at least 1¼ inch caliper and at least 10 feet tall in accordance with the American Standard for Nursery Stock (ANSI Z60.1 – 2006).
- Submit a work plan outlining the activities you wish to accomplish through this grant
- Submit a completed Substitute W-9 Taxpayer Identification Number Verification form
- Complete a Department of Agriculture, Division of Resource, Conservation and Forestry grant application form.
- Review and follow the guidelines outlined in the “Urban and Community Forestry Program Challenge Grant” document.
- Incomplete applications will not be accepted.

The following are requirements for the Insect/Disease Program

- Project must be completed by the expiration date as set forth in the award approval or all cost-share funds shall be forfeited.
- By completing this application, I understand that I am not guaranteed cost-share.
- Upon completion of the project I agree to provide the Division of Resource Conservation and Forestry with proof of my expenses by submitting a copy of a receipt, invoice or other written document itemizing costs incurred.
- I understand that I will not receive payment until such proof along with a signed "Grant Completion and Reimbursement Form" has been received and approved by the Division.
- If the project is started prior to receiving written approval, funding may be denied.



KINGSBURY CONSERVATION DISTRICT

120 2nd Street Southeast
P.O. Box 85
De Smet, South Dakota 57231
605-854-3183
Fax: 605-854-3471

Board of Supervisors
Bill Wilkinson – Chairman
Alan Vedvei – Vice Chairman
Delver Williams – Secretary
Erland Weerts – Supervisor
Rich Abrahamson- Supervisor

Conservation Education Grant For Kingsbury/Hamlin County

- Project Discription & Need
 - Primary Beneficiaries of the Project
 - Primary Beneficiaries – Students, landowners, urban and rural
- Responsible for Implementation. Maintenance , and Follow up
 - Kingsbury County Conservation District & Hamlin County
 - Location of this project
 - Kingsbury/Hamlin County
- Enviromental, Natural Resourse, Ecological, Education, and or Social Impact
 - Soil Juding – Introduces Students to Different types of soils
 - Importance of trees
 - Good conservation
 - Back yard gardening/ Pollination
 - Educucation through news paper facebook and newsletter
- Federal, State, or Local Permits Required
 - None

Final Products

Hope to work with 350 students and 100 adults

Land Judging prepares students for state and national competition, while teaching the students the importance of healthy soil in their community.

Teaching both young and old the benefits of backyard gardening pollination, soil health.

Partner Justification

- Conservation Commission Grant – without this grant we could not be able to Participate in these programs
- Area Teachers – They continue where we leave off on teaching the students
- NRCS Field Office Personel – they are instrumental to set up for land judging
- Kingsbury/Hamlin County Conservation – We are responsible for all aspects of this grant

Success of the Project

- There is no question as to weather this project will be successful. If we educate the public on conservation education it will be successful. If we educate the school age children of good conservation it will be successful. If we reach out to all in the community uban and rural with the importance of good conservation it will be successful.

Clean. Clear. Conservation.

Kingsbury Conservation Education Grant 1-1-2019

Land Judging, Growing youth – Teachers – 21 hrs @25\$=\$450

NRCS – 1@5hrs@\$30=\$150 in kind

Supplies on - \$1000(t-shirts, bags, plants, lumber) – KCCD

Administrative – 50/50 KCCD/Grant

Consultant Services – NRCS Field Office

Salary – KCCD, Teachers, and Administrative

Growing Youth sponsors, Lumber, Plants, volunteers \$500

SECTION D. – C. PROJECT PARTNERS:

Project Narrative Instructions: (Total narrative should not exceed three pages of single-spaced text. Please attach any maps, figures and photographs you feel are valuable in explaining the project.)

INSTRUCTIONS

Complete the following section for Coordinated Natural Resources Conservation Grants

NOTE: Any practice funded by the Coordinated Natural Resources Conservation Grant funds must meet one or more goals of the Coordinated Soil & Water Conservation Plan.

D. Project Description and Need - Educate our young and older society in Kingsbury County and Hamlin County

- Explain who will be the primary beneficiaries of this project (who will receive the benefits when this project is complete): Our kids in our District and landowners that are open to conservation and new practices

- Define who will be responsible for the implementation, maintenance and follow-up stages of the project: Kingsbury/Hamlin conservation District

- Indicate where this project will be located (district, watershed, community, etc. Attach maps as relevant) Kingsbury/Hamlin County

- Describe the specific environmental, natural resource, ecological, educational and/or socio-economic need(s) the Projects will address. Prevent soil erosion, teaching our next generation about conservation, improving wildlife habitat, educate on Arbor Day. Educate about wind water erosion. Teach soil conservation, soil testing, and rebuilding soil for the future.

- Briefly describe the specific on-the-ground restoration activities to be undertaken on-site to achieve the project objectives, and why it is needed? The District will guide producers and students how and where to plant trees. For example, the 6th grade students will be planting a tree by the school and going back each year to measure growth until they graduate.

- Explain if this project is part of a larger regional and/or local watershed effort. Our District schools participate in The Arbor day poster contest and speech contest; these both go to state levels. We have been educating our District for years in hopes that the students take their knowledge to college and future destinations.

- Describe provisions to ensure long-term management and protection of the project (e.g., conservation easements on private land, long-term monitoring program) The conservation District will monitor the trees growth through the years with the school's students and help from the Ag programs in the schools. The Kingsbury/Hamlin District has a lot of young landowners taking over their farms it is our hope and belief that they take this home and encourage their friends and family members about conservation.

- Please indicate if any federal, state or local permits are required to complete the project and the status of efforts to secure necessary authorization. N/A

E. Final Products

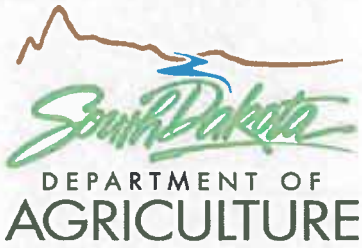
- Describe the anticipated benefits of the project from an ecological, educational, and/or socio-economic perspective (e.g., number of acres of wetlands or stream miles restored, target audience and how they will benefit)

Most of our landowner will be starting to hand down their lands to their children; this is a great way to start teaching the next generation about conservation practices. By putting up new shelterbelts this will create a chain reaction. As landowners talk to each other, and like the results of the planting Kingsbury district is hoping this will get more landowners interested in revitalizing the conservation practice.

F. Partner Justification

- Describe the strengths, qualifications and nature of the contribution of your organization and other collaborating Organizations.. The Kingsbury/Hamlin Conservation district cares very much on how we leave our environment for future landowners and just people in general. We strive to find ways to help not only farmland owners but the people that own homes in towns. Providing assistance on how to use conservation practices the best way possible. We work close with the FSA, NRCS and GF&P to come up with the best plan for tree survival.

G. Identify how you will measure the success of the project. By how many more landowners we can get reinterested in Conservation. It may take the next 20 years to calculate our success from today, but if we can get 100 students and landowners involved, that is 100 more people encouraging others to learn and educate conservation practices. That is the success we will see now!



SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

RESOURCE CONSERVATION AND FORESTRY DIVISION

523 East Capitol Avenue
Pierre, SD 57501

Phone: 605.773.3623 Fax: 605.773.4003
sdda.sd.gov

GRANT APPLICATION FORM

Applicant Information

Organization: Miner Conservation District Mailing Address: 601 West Farmer Avenue, Suite A
Telephone: (605) 772-5642 City: Howard State: SD Zip: 57349
Tax Status: Government

Project Contact

Project Officer: Tami Moore Telephone: (605) 480-2401
Fax: Email: tami.moore@sd.nacdnet.net

Project Information

Project Name: Pollinator Planting / Rain Garden Project
Start Date: 07/01/2019 End Date: 12/31/2020
Legal description: County Miner
Township: Range:
Section: Qtr:

Type of Grant

- Conservation Grant Community Forestry
Insect/Disease Invasive Species
Forest Stewardship Mountain Pine Beetle
Other (specify):

Financial Information

Grant funds requested: 12250 Partner contributions (total): 13100 Total project cost: 25350

Please give a brief, descriptive summary of the project (Use section D to provide project details)

This project is for the promotion of Pollinator Plantings & Rain Gardens. To our knowledge, this is a new project for our state so there will be some learning curves as we move along. To ensure it's success we have 8 very involved Conservation Districts working together. We also have a great set of partners, and plan to double our partnership before the grant is over. Many of the partners want to see some success before they commit. With the decline of pollinators we must do as much as we can to promote their habitat. Pollinator plantings and rain gardens can do just that, and each can help to improve our water quality. Native species will be planted in both. Pollinator plantings will be limited to 2 acres per participant. We have included workshops to promote this project. After the project is up and running, we will be doing educational workshop showing the results of the projects. Enclosed in packet is our Introduction Sheet, along with our Cost-share Application and Agreement to be signed and followed by participants. Please see the Project Narrative for details on the benefits of pollinator plantings and rain gardens.

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature [Signature] Title District Manager Date 2/28/19

A copy of the state required W-9 form must be attached to this application.

OFFICE USE ONLY

Signature of Reviewer Title Date
Signature of Approval Title Date

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Cost" on page 1.

A. Operating Budget

1.	Salary/Benefits	1700	
2.	Travel		
3.	Contractual Services	400	
4.	Supplies	22000	
5.	Equipment (list major equipment)		
6.	Consultation Services	1250	
Total Project Costs		25350	This total must equal <u>25350</u>

B. Activity Budget

	Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1.	Planting Supplies	10400	10400			20800
2.	Salary	850	850			1700
3.	Administrative	400				400
4.	Consultations	0			1250	1250
5.	Workshop Supplies	600	600			1200
6.	_____					0
7.	_____					0
8.	_____					0
Totals		12250	11850	0	1250	25350
This total must equal						25350

C. Project Partners

	Partners	Amount Cash	Amount In-Kind	Total
1.	SD Conservation Commission	12250		12250
2.	Participants	10400		10400
3.	Conservation Districts	1450		1450
4.	Big Sioux Nursery		250	250
5.	NRCS		250	250
6.	Millborn Seed		250	250
7.	Local Master Gardeners		250	250
8.	Pollinator Partnership		250	250
Totals		24100	1250	25350
This total must equal				25350

Please mail application and attachments to the South Dakota Department of Agriculture.

Pollinator Planting / Rain Garden Project

Project Partners –

- Conservation Districts of Miner, Kingsbury, Hanson, Clay, Union, Aurora, Minnehaha, & McCook. The Conservation Districts will provide technical assistance and guidance and in-kind match.
- Big Sioux Nursery. The nursery will provide technical assistance and knowledge on plants for best use in these plantings.
- NRCS. NRCS will provide technical assistance for the planning of pollinator plantings.
- Millborn Seed. Millborn Seed is providing in-kind cost-share toward the purchase of pollinator seed. Depending on the amount of area planted to pollinators this in-kind could range to as much as \$500.
- Pollinator Partnership. Pollinator Partnership is providing technical assistance and suggestions to assist with the promotion of the health of pollinators, that are critical to food and ecosystems.
- Local Master Gardeners. All of our counties have master gardeners, and we plan to use their expertise on our projects.
- Participants of the Grant. Everyone that takes advantage of this project is a partner.

As this project gets up and running we have more possibilities of partners. Those possible partners include: National Wildlife Federation, Kids Gardening, Lowes Home Depot, General Mills, Scott's Miracle Grow, Green Education Foundation, The Pollination Project, Wild Ones Native Plants & Natural Landscapes, Whole Kids Foundation, Wildlife & Sport Fish Restoration, US Fish & Wildlife, National Pollinator Garden Network, Million Pollinator Gardens, Monarch Waystation, Certified Wildlife Habitat. We want to make sure we can get this project up and running, and successful, before we bring in any other partners.

Project Descriptions and Need

- *Primary Beneficiaries* – Everyone. Pollinators provide a vital ecosystem service by transferring pollen between plants to facilitate reproduction, making them responsible for 1/3 of the bites of food eaten each day. Everyone eats. Rain gardens help with home runoff and protect our drinking water while decreasing harmful effects on waterways, ground water, and streams from flash flooding, erosion, and pollution.
- *Implementation, Maintenance, & Follow-Up of the Project* – All the Conservation Districts involved with this project.
- *Location of this Project* – Miner, Kingsbury, Hanson, Clay, Union, Aurora, Minnehaha, & McCook counties
- *Specific environment, natural resource, ecological, educational, and/or socio/economic needs this project addresses* –
 - Rain Gardens – Storing water temporarily allows it to draw down slowly, preventing the possibility that it will pick up pollutants and carry them to the nearest ground water. Treating home runoff can protect our drinking water while decreasing harmful effects on waterways from flash flooding, erosion, and pollution. Through a rain garden, water is naturally filtered, contaminants are removed and degraded through microbial processes, plant uptake, exposure to sunlight and absorption to soil particles. Properly designed rain gardens capture the first inch of rainfall, and drain within a day. Rain gardens also provide great habitat for pollinators. Rain gardens improve water quality by filtering out pollutants, are aesthetically pleasing, preserves native vegetation, provides localized stormwater and flood control, and attracts beneficial birds, butterflies and insects, and are easy to maintain after establishment.
 - Pollinator Plantings – The goal of a pollinator planting is to provide nectar and larval host plant sources to pollinator species. These plantings attract pollinators, increase biodiversity, and beautify the landscape locally. Pollinator plantings put to use the ecosystem service they provide. Pollinators have been in rapid decline because of habitat loss and pesticide use.

After this project is up and running, we hope to have many education projects. We want to increase the understanding among students/citizens about the connection between pollinators and our food sources. This project will also provide us the opportunity to stress the importance keeping good water quality.

- *On-the Ground Restoration Activities* – The Rain Gardens and the Pollinator Gardens may require moving of dirt, to direct the over flow of rain water. If butterflies are an important part of your pollinator garden, a puddling area will need to be created. If gardens are being planted in an area with grass, the top layer of grass will need to be turned over. If we are doing a Pollinator Planting, the existing ground cover may need to be tilled and then packed prior to seeding.
- *Part of a Larger Project* - For this proposal we plan to involve the eight counties listed above. We chose very involved counties in hopes to create an awesome project. If this works well, we plan to expand each year. Hopefully in the next 3 or 4 years we will expand across the state of South Dakota.
- *Provisions to ensure management and protection of the project* – Please refer to the attachment entitled '2019-2020 Rain Garden & Pollinator Planting Cost-Share Introduction and Application. Page 3 of the Application form covers the agreement by the participant.
- *Permits Required* - No federal, state, or local permits are required.

Final Products

- *Anticipated Benefits* – Our goal is to plant 32 Rain and/or Pollinator Gardens (4 Rain Gardens per county) and plant 16 acres of Pollinator Seedlings (2 acres per county). We plan to have 4 workshops throughout the 8 counties to promote this project. After this project is 'up and running' and has been successful, we plan to have many educational workshops. We feel that by starting out small, but in 8 counties we will be able to accomplish our goals successfully.
- *Success of the Project* – Success will be measured by the number of rain/pollinator gardens planted, the number of acres of pollinator seedlings, and the number of participants involved with the plantings and the workshops. Success that will be hard to measure will be the public education and thoughts on the importance of Rain Gardens and Pollinator Plantings.

Partner Justification

- The strengths and qualifications of the 8 involved Conservation Districts is high. Each district wants their district to be successful, wants to educate their residents on the importance of 'good conservation', and most of all wants to be involved with their residents on projects such as these. All of the above partners want the same thing as the Conservation Districts. We are all in it for 'Conservation'. Refer to the top under the Project Partners for each of their participation in the project.

Some Fun Facts or Quotes that helped influence our need to start this project.

- ◆ "If the bee disappeared off the surface of the globe, then man would have only four years of life left. No more bees, no more pollination, no more plants, no more animals, no more man." – Albert Einstein
- ◆ Up to 40% of America's honey bees die each winter. In fact, the number of hives in the United States is now at its lowest point in the past 50 years. Critical wildlife habitat is disappearing, putting honey bees and other pollinators like monarch butterflies in serious decline – and putting our food supply at risk. The global economic cost of bee decline, including lower crop yields and increased production costs, has been estimated as high as \$5.7 billion per year.
- ◆ One-third of our food supply – including most fruit and vegetable crops – requires the work of a pollinator to make it to our table. As much as 80% of flowering plants – 90 different crops – require pollination by honey bees and other insects. That means 1 in 3 bites of food depend on a pollinator.
- ◆ Rain gardens act as a sponge, drawing water into the soil and help replenish the groundwater supply. Native plants are ideal for rain gardens because they are beautiful, hardy and deep-rooted... and they help attract birds and butterflies.
- ◆ A rain garden is a garden of native shrubs, perennials, and flowers planted in a small depression, which is generally formed on a natural slope. It is designed to temporarily hold and soak in rain water runoff that flows from roofs, driveways, patios or lawns. Rain gardens are effective in removing up to 90% of nutrients and chemicals and up to 80% of sediments from the rainwater runoff. Compared to a conventional lawn, rain gardens allow for 30% more water to soak into the ground.
- ◆ A rain garden is not a water garden. Nor is it a pond or a wetland. Conversely, a rain garden is dry most of the time. It typically holds water only during and following a rainfall event. Because rain gardens will drain within 12-48 hours, they prevent the breeding of mosquitoes.
- ◆ As a rule, native vegetation should be incorporated into a rain or pollinator garden. Native plants don't require fertilizer, have good root systems, and are better at utilizing the water and nutrients available in their native soils than non-native species. Perennials, shrubs, wildflowers, or a mixture of all three can be planted.

POLLINATOR PLANTING / RAIN GARDEN PROJECT for

MINER, KINGSBURY, HANSON, CLAY, UNION, AURORA, MINNEHAHA, & MCCOOK CD

<u>Conservation District</u>	<u>Project</u>	<u># of Projects</u>	<u>Est. Cost/Project</u>	<u>Hrs/Project</u>	<u>\$/Hour</u>	<u>Total Cost</u>	<u>Grant Funds</u>	<u>In-Kind</u>	<u>Participant</u>
Miner	Pollinator Plantings	2	\$ 500.00	5	\$ 20.00	\$ 1,100.00	\$ 550.00	\$ 50.00	\$ 500.00
	Rain Gardens	4	\$ 400.00	5	\$ 20.00	\$ 1,700.00	\$ 850.00	\$ 50.00	\$ 800.00
Kingsbury	Pollinator Plantings	2	\$ 500.00	5	\$ 20.00	\$ 1,100.00	\$ 550.00	\$ 50.00	\$ 500.00
	Rain Gardens	4	\$ 400.00	5	\$ 20.00	\$ 1,700.00	\$ 850.00	\$ 50.00	\$ 800.00
Hanson	Pollinator Plantings	2	\$ 500.00	5	\$ 20.00	\$ 1,100.00	\$ 550.00	\$ 50.00	\$ 500.00
	Rain Gardens	4	\$ 400.00	5	\$ 20.00	\$ 1,700.00	\$ 850.00	\$ 50.00	\$ 800.00
Clay	Pollinator Plantings	2	\$ 500.00	5	\$ 20.00	\$ 1,100.00	\$ 550.00	\$ 50.00	\$ 500.00
	Rain Gardens	4	\$ 400.00	5	\$ 20.00	\$ 1,700.00	\$ 850.00	\$ 50.00	\$ 800.00
Union	Pollinator Plantings	2	\$ 500.00	5	\$ 20.00	\$ 1,100.00	\$ 550.00	\$ 50.00	\$ 500.00
	Rain Gardens	4	\$ 400.00	5	\$ 20.00	\$ 1,700.00	\$ 850.00	\$ 50.00	\$ 800.00
Aurora	Pollinator Plantings	2	\$ 500.00	5	\$ 20.00	\$ 1,100.00	\$ 550.00	\$ 50.00	\$ 500.00
	Rain Gardens	4	\$ 400.00	5	\$ 20.00	\$ 1,700.00	\$ 850.00	\$ 50.00	\$ 800.00
Minnehaha	Pollinator Plantings	2	\$ 500.00	5	\$ 20.00	\$ 1,100.00	\$ 550.00	\$ 50.00	\$ 500.00
	Rain Gardens	4	\$ 400.00	5	\$ 20.00	\$ 1,700.00	\$ 850.00	\$ 50.00	\$ 800.00
McCook	Pollinator Plantings	2	\$ 500.00	5	\$ 20.00	\$ 1,100.00	\$ 550.00	\$ 50.00	\$ 500.00
	Rain Gardens	4	\$ 400.00	5	\$ 20.00	\$ 1,700.00	\$ 850.00	\$ 50.00	\$ 800.00
All Districts	Workshops	4	\$ 300.00	5	\$ 20.00	\$ 1,300.00	\$ 650.00	\$ 650.00	\$ -
Administrative				20	\$ 20.00	\$ 400.00	\$ 400.00	\$ -	\$ -
Partnership Hours	5 Partnerships			50	\$ 25.00	\$ 1,250.00	\$ -	\$ 1,250.00	\$ -
Totals						\$ 25,350.00	\$ 12,250.00	\$ 2,700.00	\$ 10,400.00
							48%	11%	41%



2019-2020 Rain Garden & Pollinator Planting Cost-Share Introduction

Thank you for your interest in planting rain gardens to protect the water quality of our local ground water and streams or doing pollinator plantings to attract pollinators, increase biodiversity, and beautify the landscape locally! The purpose of the rain garden and pollinator plantings cost-share assistance grant is to financially assist property owners within the counties of Miner, Kingsbury, Hanson, Clay, Union, Aurora, Minnehaha, and McCook. **Eligibility for this grant requires that the property be located within one of those counties.**

A rain garden is an attractive landscaped area in a low spot on a property designed to catch storm water runoff from impervious surfaces (i.e., rooftops, driveways, sidewalks). Rain gardens are planted with native perennials that allow the runoff to infiltrate naturally into the ground, prevent pollutants from entering our streams, slow the flow of water from a yard during and after a storm, and recharge groundwater. A pollinator planting is to provide nectar and larval host plant sources to pollinator species. These plantings attract pollinators, increase biodiversity, and beautify the landscape locally. As part of the application process, you are asked to work with Miner, Kingsbury, Hanson, Clay, Union, Aurora, Minnehaha, or McCook Conservation Districts to help with sizing and location.

The Conservation Districts will offer grants, in an amount not to exceed \$300.00, as reimbursement for the purchase of plants, mulch, or compost for a rain garden and/or pollinator planting on your property. Funds are limited to a first-come, first-served basis, for **approved** applications .

Reimbursement for plants, seed, mulch, or compost used in your rain garden or pollinator planting will be provided after an on-site visit from your local conservation district to verify that your rain garden or pollinator plantings has been completed. All plants must be planted and the original receipts from your plants, seed, mulch, or compost purchases must be submitted in order to receive reimbursement. Once the rain garden or pollinator plantings is properly documented, you should receive your reimbursement for the amount of the actual documented costs or \$250.00, whichever is less, within 30 days. No reimbursement will be provided for items purchased but not planted in the project area.

Applications, questions, and concerns can be directed to your local conservation district.

Miner CD - Tami Moore - 772-5642 ext 3 - tami.moore@sd.nacdnet.net

Kingsbury CD - Tanya Flegel - 854-3183 - kingsburycd@sdconservation.net

Clay and Union CD - Misi Kayl - 624-7060 ext 3 - mkayl@outlook.com

Hanson CD - Annette Steilen - 239-4635 - hd34@triotel.net

Aurora CD - Wendy Mathers - 942-7719 ext 3 - auroracountyconservation@gmail.com

Minnehaha CD - John Parker - 330-4515 ext 3 - john.d.parker@sd.nacdnet.net

McCook CD - Stephanie Albin - 425-2483 ext 3 - stephanie.albin@sd.nacdnet.net

Rain Garden & Pollinator Planting Cost-Share Application

General Information

Application Date _____

Name of Applicant (individual, group, or organization) _____

Applicant mailing address _____

Applicant phone numbers (home & cell) _____

Applicant email _____

Name of Landowner (if different than above) _____

Landowner mailing address _____

Landowner phone number & email _____

Name of Project _____

Project location _____

Cost-Share Funds requested (up to \$300) _____ Total Project Cost _____

Type of watershed concern this project will address (can check more than one):

Water quality _____ Water quantity _____ Wildlife habitat _____ Wet basement _____

Drainage concerns on property _____ Neighbor's water concern _____ Erosion _____

Flooding near house _____ Pollination to help provide safe, healthy food _____

To attract pollinators _____ Increase biodiversity _____ Beautify the landscape _____

Does your lawn or yard have frequently flooded or have standing water?

Yes _____ No _____

Local Conservation District _____

Describe the current watershed, drainage, or other concern you are seeking to address:

Describe your project (attach site map, design, planting lists, photos, or other information you have):

Size of rain garden or pollinator planting: _____

Are you planning on disconnecting your downspouts to direct roof runoff to your rain garden? Yes _____ No _____ **If not, where will the storm water come from to feed your rain garden?** _____

Do you agree to have your local Conservation District help assess the site, design the plan, and suggest plantings for your rain garden and/or pollinator planting? Yes _____ No _____
**This box must be checked "Yes" as a requirement for cost-share assistance approval.*

Do you have others involved in your planning or implementation process (i.e. landscapers, consultants, etc.)? Yes _____ No _____ **If yes, please list**

Anticipated Budget				
Materials	# of Units	Unit Costs	Total Cost	Description
Plants				
Mulch				
Compost				
Seed				
Labor costs (if any)				
Other/misc.				
Totals				

Initials Agreement:

- _____ 1. The maximum amount of cost-share available is \$300.00 to go toward materials for rain garden installation or pollinator planting (plants, seed, mulch, and/or compost).
- _____ 2. Checks will be made out to the buyer of the materials with receipt documentation showing the purchase of the materials. All receipts must be turned into the local conservation district.
- _____ 3. Cost-share will not be awarded to any planting completed prior to the approval date.
- _____ 4. Grant winners will be notified by phone once awarded to coordinate the purchase and delivery of materials. The Conservation Districts are not responsible for any labor involved in any project, nor are they liable for any damages or injuries incurred through the project.
- _____ 5. The landowner agrees to maintain their rain garden and/or pollinator planting for at least 5 years.
- _____ 6. The landowner agrees to go over careful instructions on rain garden design and installations with their local conservation district, either through a technical workshop, site visit, or consultation (free to applicants).
- _____ 7. Notification of excavation and planting must be made to the local conservation district, and notification of completion of planting must be made to the local conservation district no later than 1 month before or after installation or completion.
- _____ 8. The cost-share grant requires that you allow local conservation district representatives to photograph and document your rain garden and/or pollinator planting before, during, and after planting. Pictures from your garden may be used in publications, reports, and educational programs. Throughout the duration of your rain garden and/or pollinator planting, additional photographs may be taken. You will receive prior notification when anyone will be on your property.

We will not share your rain garden or pollinator planting location/address unless permission is granted by the landowner. Do you grant us permission to share the location address for educational purposes only? (If yes, you may contact us in the future to decline permission.)

Yes _____ No _____

I/We _____ agree that the information in this application is true to the best of our knowledge. I/We agree to implement the project within 6 months of the application approval. I/We understand that we are required to provide proper accounting of project expenses, and necessary and normal maintenance to sustain the value of the project once it is completed.

Applicant name printed

Applicant signature

Date

Landowner name printed (if different than above)

Landowner signature

Date

MINER COUNTY CONSERVATION DISTRICT

Board of Supervisors Meeting

January 8, 2019

MEMBERS PRESENT:

Dale Shumaker, Chairman
Donald Threadgold, Vice-Chairman
Tim Clarke, Treasurer
Marvin Kizer, Supervisor
Julie Calmus, Supervisor

OTHERS PRESENT:

Tami Moore, District Manager
Kirk Lindgren, District Conservationist

CALL TO ORDER: Chairman Shumaker called the meeting to order at 5:00 pm.

INTRODUCTION OF VISITORS: There were no visitors present.

MINUTES: The minutes for the November board meeting were sent to board members prior to the meeting. Donald Threadgold moved to approve the November minutes. Discussion was held. Julie Calmus seconded the move. Following a unanimous voice vote, the minutes for November were approved.

TREASURER'S REPORT: The following is the Treasurer's Report dated December 31, 2018.

Bank Balance on November 13, 2018	\$ 54,496.11
Income	69,958.88
Expenses	96,608.83
Bank Balance on December 31, 2018	\$ 27,846.16
CD's & Savings Bonds	\$ 26,571.05
Special Account – Equipment Fund	\$ 60,000.00
Special Account – Land & Building Fund	\$ 85,000.00
Special Account – Operating Fund	\$ 70,000.00
Special Account – East Central Rangeland Grant	\$ 4,982.40

The following is the Treasurer's Report dated January 8, 2019.

Bank Balance on December 31, 2018	\$ 27,846.16
Income	\$ 4,959.14
Expenses	\$ 18,201.87
Bank Balance on January 8, 2019	\$ 14,603.43
CD's & Savings Bonds	\$ 26,571.05
Special Account – Equipment Fund	\$ 60,000.00
Special Account – Land & Building Fund	\$ 85,000.00
Special Account – Operating Fund	\$ 70,000.00
Special Account – East Central Rangeland Grant	\$ 1,166.26

The vouchers for December and January were submitted for approval. Donald Threadgold moved to approve all vouchers, Julie Calmus seconded the move. Discussion was held. Following a unanimous voice vote, vouchers were approved.

Treasurer's Reports for December and January were submitted for approval. Donald Threadgold moved to approve the Treasurer's Reports, Julie Calmus seconded the move. Discussion was held. Following a unanimous voice vote, the Treasurer's Reports were approved.

OLD BUSINESS:

Appreciation Party – This was held December 4 at the Howard Golf Course.

Miner County Parade of Trees at Courthouse – The Conservation District had a tree on display, a picture of the tree was handed out. The tree has been taken down.

Feeder Calf Show at 4-H Grounds – This was held the Friday after Thanksgiving. All equipment, vehicles, etc were moved for the show. Everything has been moved back in.

Conservation Commission Meeting – This was held November 15 in Pierre. We submitted 2 grant applications, both were approved. Our Soil Health Practices Grant was \$15,000, and the Conservation Awareness was for \$1,400. There were over \$776,000 of grant applications, and the Commission had about \$500,000 to work with. There were 36 grant applications. Docket changes were also discussed.

NEW BUSINESS:

Election of Officers – Marvin Kizer moved to leave all officers the same as 2018. Donald Threadgold seconded the move. Discussion was held. After a unanimous vote, all officers were re-instated.

Hand Plant Sales – The new order form for 2019 is being worked on, and will be mailed out as soon as it is complete.

Tree Planting – We have just started working on tree plans for 2019. Our initial order of trees have been made. Cancellations are due February 1. A draft Profit and Loss was handed out to board members and reviewed. A final 2018 Profit and Loss for Tree Planting will be submitted for the February board meeting.

Rite Way Land Rollers – The new Rite Way Land Roller has been delivered and the 2014 has been picked up. A draft Profit and Loss was handed out to board members and reviewed. A final 2018 Profit and Loss for RiteWay Land Rollers will be submitted for the February board meeting..

Grass Seeding & Great Plains Drill – It appears Grass Seeding will be down for 2019, because of the lack of CRP. A draft Profit and Loss was handed out to board members and reviewed. A final 2018 Profit and Loss for Grass Seeding will be submitted for the February board meeting.

John Deere 1590 No Till Drill –The 2019 John Deere 1590 drill will be delivered in March, and the 2016 will be picked up. A draft Profit and Loss was handed out to board members and reviewed. A final 2018 Profit and Loss for the John Deere Drill will be submitted for the February board meeting.

4-Wheeler with Sprayer – There has been no progress on the purchase of a new 4-wheeler for the sprayer.

Grass Seeding Equipment for Lawn and Trees – A new 4' roller will be picked up prior to spring.

4' Dew Drop Native Grass Drill – No progress on a trailer purchase.

Land Purchase – No discussion.

'Pilot Project for South Dakota Conservation Districts' Grant #2016-CSW-037 – SDACD, NRCS, & the Division of Conservation created and worked on the grant application. Miner is the coordinator for this grant. This grant was approved at the Spring Grant Round. The grant ran from 7/1/2016 through 6/30/18 in the amount of \$7,500. SDACD, Division of Conservation, and NRCS have met with two of the participating districts. All reimbursement requests were made, approved, and received. The final report has been submitted. The board members reviewed and discussed the Final Report. This grant is now Finalized.

'Conservation Practices for Miner County' Grant #2018-CSW-023 – The grant ran from 1/1/2018 through 12/31/2018 in the amount of \$10,000.00. It covers tree plantings, cover crops, and other conservation practices. All reimbursement requests have been submitted; we are waiting for approval and reimbursement. A transfer of funds was submitted. The Final Report was submitted. The board members reviewed and discussed the Final Report.

'Conservation Education' Grant #2018-CSW-022 – The grant ran from 1/1/2018 through 12/31/2018, in the amount of \$1,000. This funding is for Conservation Education and Public Awareness in Miner county. Reimbursement requests have been submitted.

'Conservation Workshop & Education' Grant #2018-CSW-022 – The grant runs 1/1/2018 through 12/31/2018, in the amount of \$1,000.00. All reimbursement requests have been made, approved, and received. The Final Report has been submitted. This grant has been Finalized.

'East Central Rangeland Stewardship' Grant #2017-CSW-023 – The grant ran from 1/1/2017 through 12/31/2018 in the amount of \$52,500. It covers pipeline, tanks, pasture pumps, rural water hookups, alternative energy water pumps, and wells. Partners involved with the grant include Kingsbury CD, Sanborn CD, Beadle CD, US Fish & Wildlife, and SD Game Fish & Parks. Miner is the control county. We have submitted 2 reimbursement submissions in December. They have been approved, but reimbursement has not been received. A transfer of funds request was submitted. We have another reimbursement request, but with the government shutdown Fish & Wildlife has not been able to submit the information to me.

'Conservation Awareness' Grant #2019-CSW-029 – The grant runs 1/1/2019 through 12/31/2019, in the amount of \$1,400.00. This grant includes anything for conservation awareness activities and education.

'Soil Health Practices' Grant #2019-CSW-028 – The grant runs 1/1/2019 through 12/31/2019, in the amount of \$15,000. Practices through this grant include Tree Planting, Cover Crops, and Shelterbelt Renovations.

'Soil Health & Wildlife Improvement for Miner County' Grant Application through the National Fish & Wildlife Foundation – This grant application was not approved. Tami has contacted the National Fish & Wildlife Foundation for assistance in writing a grant through them that would be approved.

'Water Quality Education & Conservation Awareness' Grant through the S.D. Discovery Center – The grant runs 1/1/2019 through 6/30/19, in the amount of \$900.00. This grant will cover educational materials for water quality and conservation education.

'Howard Football Field Tree Planting & Maintenance' Grant through the Urban Forestry – This grant ran 1/1/2018 through 12/31/2018, in the amount of \$2,000.00. The trees look nice, a great addition to the football field. It will be beautiful when they get a little bit bigger.

Contribution Agreement with NRCS – Our agreement with NRCS is \$20,040. This is for NRCS work done by the Conservation District. We have not made any reimbursement request yet on this agreement.

On-Line Courses – No on-line courses were completed this month.

Community and/or School Activities – Karst Memorial Scholarship – This will be promoted in the newspaper and information will be submitted to the school. 5th Grade Leaf Booklet – These are completed, and judged, but awards have not been given yet. 5th Grade Arbor Day Poster Contest – Tami has contacted the teacher, and will discuss the rules when giving out the awards for the Leaf Booklet. Conservation Speech Contest – This will be promoted at the Farm & Home Show, put in the 4-H news, and in the newspaper.

Miner Conservation District Facebook Page – This needs to be updated more frequently.

Miner Conservation District Website – Website is complete, but needs to be updated with new grant information, and district services.

Conservation Commission Grant Signature Authorization – Tim Clarke moved to authorize Tami Moore, District Manager, to sign grant applications, grant acceptance forms, grant reimbursement forms, and any other grant related items. Discussion was held. Donald Threadgold seconded the move. Following a unanimous voice vote, the motion was carried.

Miner County Farm & Home Show – This will be held Thursday, February 7 in Howard. We will have a booth.

NACD Annual Meeting – This will be February 1 through February 5 in San Antonio, Texas. Tami plans to attend. SDACDE will reimburse for expenses, as Tami is the President of the Association and expected to attend. The agenda was discussed.

SDACDE Leadership Conference – This will be held March 4, 5, & 6 in Pierre at the Ramkota. It will include many employee training sessions. Tami plans to attend.

2018 Profit & Loss Statement with Previous Year Comparison– This was reviewed and discussed. This will be submitted in February for approval.

2018 Profit & Loss Statement – This was reviewed and discussed. This will be submitted in February for approval.

2018 Balance Sheet– This was reviewed and discussed. This will be submitted in February for approval.

Quarterly Unemployment Report – This has been completed, reported, and filed.

Quarterly Federal Tax Report – This has been completed, reported, and filed.

Official Newspaper – The Miner County Pioneer is the official newspaper.

Mileage Reimbursement – Reimbursement for mileage will remain at \$.50/mile.

Meal Reimbursement – Reimbursement for meals will remain the same.

Vermillion Basin Water Development District – Currently the eastern part of Miner County is in the East Dakota Water Development District, the western part was the James River Development District. The western side voted down participation in the James River District. The Vermillion Basin has requested the addition of the eastern part of Miner County. This Water Development District plans to have more projects dealing with Conservation Districts. At the present time they only have 2 counties. In the past paper, the Miner County Commissioners voted to approve the addition of Miner County into the Vermillion Basin. Donald Threadgold moved to express support, along with the Miner County Commissioners, of adding Miner County to the Vermillion Basin Water Development District. Discussion was held. Tim Clarke seconded the move. Following a unanimous voice vote, the motion carried. Tami was instructed to compose a letter of support.

Conservation Commission Spring Grant Round – Discussion was held concerning the submission of a grant application for the spring grant round. The commission has changed the date, making it more convenient for Conservation Districts to attend. Tami discuss the idea of submitting a grant application for the promotion of pollinator plantings and rain gardens. She suggested the idea of having other districts involved in this grant. Donald Threadgold moved to submit a grant application for this project. Discussion was held. Julie Calmus seconded the move. Following a unanimous voice vote, the motion carried. If time allows, Tami will submit a grant application for the Spring Grant Round.

North American Wetlands Conservation Act Proposal – Partner Contribution Form – This proposal works with our past East Central Rangeland Stewardship Grant with the USF&WS and the SDGF&P. The funds we received as non-federal funds can now be used as a match for new funds to work with the same grazing and livestock water development projects. Julie Calmus moved to approve the proposal. Discussion was held. Donald Threadgold seconded the move. Following a unanimous voice vote, the motion carried. The proposal approval has been submitted to Kurt Foreman, of USF&WS.

Mileage Reimbursement – Reimbursement for mileage will remain at \$.50/mile.

NRCS REPORT: NRCS Report was given to board members by Kirk Lindgren, District Conservationist. A written report was also submitted. Tami Moore left the meeting at this time. Kirk finished up the meeting

NEXT MEETING: The next meeting will be held Tuesday, February 12 @ 5:00 pm.

Meeting was adjourned at 6:30 pm.

Respectfully Submitted by Tami Moore, District Manager



SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

RESOURCE CONSERVATION AND FORESTRY DIVISION

523 East Capitol Avenue
Pierre, SD 57501
Phone: 605.773.3623 Fax: 605.773.4003
sdda.sd.gov

GRANT APPLICATION FORM

Applicant Information

Organization: Pennington Conservation District Mailing Address: 414 E Stumer Rd Suite 300
Telephone: (605) 342-0301 ext. 3 City: Rapid State: SD Zip: SD
Tax Status: Government

Project Contact

Project Officer: Lindsay Mader Telephone: (605) 342-0301 ext. 3
Fax: (855) 256-2551 Email: lindsay.mader@sd.nacdnet.net

Project Information

Project Name: Thinning for Forest Health
Start Date: 07/01/2019 End Date: 06/30/2021
Legal description: County Pennington
Township: Range:
Section: Qtr:

Type of Grant

- Conservation Grant
Community Forestry
Insect/Disease
Invasive Species
Forest Stewardship
Mountain Pine Beetle
Other (specify):

Financial Information

Grant funds requested: 32500 Partner contributions (total): 32500 Total project cost: 65000
Please give a brief, descriptive summary of the project (Use section D to provide project details)

This forest thinning project will provide cost-share funds to private landowners to perform precommercial thinning on their forested property to improve forest health by reducing the potential for mountain pine beetle infestation and catastrophic fire. The target area will be ponderosa pine, spruce and hardwood forests in the Black Hills area of Pennington and Meade Counties. Grant funding will pay 50% of the cost of completed work, not to exceed a maximum of \$325 per acre for thinning of overly dense stands and removal of conifers from hardwood stands and meadows. To receive the full \$325 per acre, landowners are also required to treat created slash in accordance with state slash regulations. We received six applications for the 2018 forest thinning grant and over twenty acres have already been treated. Three projects are already identified and in place for 2019 forest thinning funding. With this grant we expect to thin and treat slash on at least 100 acres of private forest land.

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature Lindsay Mader Title District Manager Date 07/27/19

A copy of the state required W-9 form must be attached to this application.

OFFICE USE ONLY

Signature of Reviewer Title Date
Signature of Approval Title Date

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Cost" on page 1.

A. Operating Budget

1.	Salary/Benefits	1000	
2.	Travel		
3.	Contractual Services	64000	
4.	Supplies		
5.	Equipment (list major equipment)		
6.	Consultation Services		
Total Project Costs		65000	This total must equal <u>65000</u>

B. Activity Budget

	Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1.	Forest Stand Improvement	31500	32500			64000
2.	Administration	1000				1000
3.						0
4.						0
5.						0
6.						0
7.						0
8.						0
Totals		32500	32500	0	0	65000
This total must equal						<u>65000</u>

C. Project Partners

	Partners	Amount Cash	Amount In-Kind	Total
1.	RC&F	32500		32500
2.	Landowners	32500		32500
3.				0
4.				0
5.				0
6.				0
7.				0
8.				0
Totals		65000	0	65000
This total must equal				<u>65000</u>

Please mail application and attachments to the South Dakota Department of Agriculture.

Resource Conservation and Forestry

Grant Application Guidelines

In addition to a completed application, please provide a project narrative. The narrative should not exceed three pages of single-spaced text. Please attach any maps, figures, and photographs that you feel are valuable in explaining the project. The project narrative must include:

Project Partners

- Please list any project partners and quantify their contribution to the project.
- Any practice funded by the Coordinated Natural Resources Conservation Grant funds must meet one or more goals of the Coordinated Plan for the Natural Resources Conservation.

Project Descriptions and Need

- Explain who will be the primary beneficiaries of this project.
- Define who will be responsible for the implementation, maintenance, and follow-up stages of the project.
- Indicate where this project will be located (district, watershed, community, etc.). Attach maps as relevant.
- Describe the specific environmental, natural resource, ecological, educational, and/or socio-economic need(s) that the project will address.
- Briefly describe the specific on-the-ground restoration activities to be undertaken on-site to achieve the project objectives and why it is needed.
- Explain if this project is part of a larger regional and/or local watershed effort.
- Describe provisions to ensure long-term management and protection of the project (e.g., conservation easements on private land, long-term monitoring program).
- Please indicate if any federal, state, or local permits are required to complete the project and the status of efforts to secure necessary authorization.

Final Products

- Describe the anticipated benefits of the project from an ecological, educational, and/or socio-economic perspective (e.g., number of acres of wetlands or stream miles restored, target audience and how they will benefit).
- Identify how you will measure the success of the project.

Partner Justification

- Describe the strengths, qualifications, and nature of the contribution of your organization and other collaborating organizations.
-

In addition to the application and project narrative, applications for Urban and Community Forestry Challenge Grants must also include:

- Completed sub-grant questionnaire.
- Submit a work plan outlining the activities you wish to accomplish through this grant.

Tree species selected must be at least 1¼ inch caliper and at least 10 feet tall in accordance with the American Standard for Nursery Stock (ANSI Z60.1 – 2006).

PENNINGTON CONSERVATION DISTRICT
THINNING FOR FOREST HEALTH GRANT APPLICATION
COORDINATED NATURAL RESOURCES CONSERVATION GRANT

Project Partners

Partners on this project will include district managers from Pennington Conservation District and Elk Creek Conservation District, foresters from South Dakota Department of Agriculture Division of Resource Conservation and Forestry (RC&F) and a cooperative forester from the National Wild Turkey Federation. Foresters will identify project areas and conduct necessary field work. Pennington Conservation District will process applications, submit required documentation and distribute payments as work is completed.

Project Description and Need

While Mountain Pine Beetle infestations are no longer at epidemic proportions in the Black Hills, insect damage is still a threat and active management is needed to maintain forest health. As insects kill Ponderosa pine trees, dead trees accumulate and create significant fuel hazards. Removal of small diameter trees will result in more water and nutrients becoming available for remaining trees, making them less susceptible to insect attack. Thinning also creates an environment less conducive to the spread of harmful insects. The disposal of fuels within thinned areas will reduce fuel hazards, helping remaining trees survive wildfire and reducing the potential for stand-replacing catastrophic fire.

The purpose of this project is to restore private forest lands to a healthier state that is more resistant to mountain pine beetle attack and catastrophic fire. These preventative measures will protect the watershed from ash and debris flows that are common after large, damaging forest fires. The practices to be used include (1) pre-commercial thinning, targeting stands averaging six inches in diameter or less, and fuels reduction following thinning; (2) removal of conifers from hardwood stands to protect declining species diversity; and (3) removal of conifers from meadows.

The primary beneficiaries of this project are the landowners who have thinning completed on their land. Other beneficiaries include: adjacent landowners due to lowered risk of insect and fire damage from cross-boundary threats; watershed residents that will be protected from the water quality impacts of catastrophic fire; local, state, and federal firefighting agencies that will be faced with lower fire intensity during fire suppression actions due to reduced fuel hazards; and lower costs of fire suppression which can save county, state, and federal funds.

We hope to build on success from our 2018 forest thinning grant in which we authorized five qualifying projects. To date, approximately twenty-five acres have been completed and the remaining grant funds have been assigned to qualifying projects. We have already received three applications for 2019 thinning and are prepared to move forward if the funds are in place.

SDDA Resource Conservation and Forestry, in collaboration with a cooperative forester from the National Wild Turkey Federation, will provide technical assistance in identifying specific acres to be thinned, administering thinning contracts and certifying completed thinning projects. Landowners will hire private contractors to complete the thinning projects. Landowners will be responsible to pay the full amount and then submit expense receipts to the conservation district for reimbursement.

The project will be administered by the Pennington Conservation District and will serve residents of Pennington and Meade counties. The project area encompasses headwaters of four Category I watersheds as identified in the 1988 South Dakota Unified Watershed Assessment: Redwater, Middle Cheyenne-Elk,

Middle Cheyenne-Spring, and Rapid. It also includes the headwaters of the Beaver watershed, a Category IV watershed. The project will place particular emphasis on properties with higher conifer densities and areas at greater risk for insect or fire damage.

Precommercial thinning in stands with an average diameter at breast height (DBH) of six inches or less will be used to reduce the density of trees in pine forests. Other activities will include the removal of conifers from hardwood stands and the removal of conifers encroaching on meadows. Pine forests with lower density are more resistant to insects and fire; hardwood stands are largely fire resistant. Removal of fuels following thinning will reduce the threats of catastrophic fire.

Landowners will be required to maintain project areas for ten years following completion of the project.

The only permits required to complete the project are burning permits to dispose of piled thinning slash when burning is the preferred method of disposal. Burning permits are available free of charge from the Department of Agriculture, Wildland Fire Suppression Division as long as conditions are satisfactory for safe open burning.

Final Products

The project is anticipated to result in the completed thinning and fuel reduction on at least 100 acres of private forest land.

Partner Justification

The Pennington Conservation District will provide administrative support for contracting with private landowners, bookkeeping, and records maintenance as required by the Conservation Commission and The Division of Resource Conservation and Forestry (RC&F), and reimbursement to landowners for completed thinning and fuel reduction practices. The Pennington Conservation District, in collaboration with area foresters, will also help locate landowners that have the potential to benefit from this project. Landowners will receive reimbursement of up to 50% of the cost of completing the work on their property, not to exceed a maximum of \$325 per acre for thinning of overly dense stands and removal of conifers from hardwood stands and meadows. To receive the full \$325 per acre, landowners are also required to treat resulting slash in compliance with state logging slash standards. Activity costs are based on the 2019 Conservation Commission Approved Practices Costs Docket.

RC&F will administer project implementation on the ground by identifying specific forest areas to be thinned, developing thinning prescriptions, monitoring thinning progress for compliance, and certifying that practices are completed.

Measuring Project Success

Success will be measured by the number of acres treated. A successful project will result in at least 100 acres of forest land thinned or enhanced with fuel reduction completed.



Roberts
Conservation District

March 1, 2019

Dear Conservation Commissioners,

Attached is our Upper Little Minnesota River Watershed grant application for 2019. Our soil health proposal is focused on the Upper Minnesota River Watershed due to interest that was expressed for cost share assistance by the land operators and local dairy operations of Roberts County, therefore we are applying for this grant to assist in a comprehensive soil health plan. This will be the regions first time having access to cost share for cover crops. Silage production in this region is intensive and the land is not managed in a conducive manner to protect our resources. 12,000 acres annually are left bare and vulnerable to erosion thus negatively impacting our natural resources.

Our application focuses to improve how the soil will function with implementing cover crops, more diverse rotations, and livestock integration. We believe these practices will have a positive impact on the reduction of inputs, weed suppression, yield improvement, moisture conservation, erosion reduction, and other factors. We will provide our seeding services, ordering, and handling of the seed. Since our tree planting has declined our district has expounded on other commerce's to support Roberts Conservation District. We would like to continue providing all the listed benefits and assisting our producers in planting more cover crops.

Sincerely,

A handwritten signature in blue ink that reads "Jodi Hook".

Jodi Hook
District Manager
Roberts Conservation District



SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

RESOURCE CONSERVATION AND FORESTRY DIVISION

523 East Capitol Avenue

Pierre, SD 57501

Phone: 605.773.3623 Fax: 605.773.4003

sdda.sd.gov

GRANT APPLICATION FORM

Applicant Information

Organization: Roberts Conservation District Mailing Address: 2018 SD Highway 10
Telephone: 605-698-3923 City: Sisseton State: SD Zip: 57262
Tax Status: Government

Project Contact

Project Officer: Jodi Hook Telephone: 605-698-3923
Fax: (855) 256-2568 Email: Jodi.hook@sd.nacdnet.net

Project Information

Project Name: Little Upper Minnesota River Watershe
Start Date: 7/1/2019 End Date: 6/20/20
Legal description: County Roberts
Township: _____ Range: _____
Section: _____ Qtr: _____

Type of Grant

- Conservation Grant Community Forestry
- Insect/Disease Invasive Species
- Forest Stewardship Mountain Pine Beetle
- Other (specify): _____

Financial Information

Grant funds requested: 22,567.50 Partner contributions (total): 35,317.50 Total project cost: 57,885.0

Please give a brief, descriptive summary of the project (Use section D to provide project details)

The main purpose of this grant is to improve the overall soil health by the implementation of planting cover crops after silage production. This practice will reduce erosion while also sequestering nutrients from manure that is applied after silage is harvested. Leading to an overall decrease in pollutants from entering streams, wetlands, and lakes. Grazing livestock will be highly encouraged. Implementing practices such as these result in the conservation, protection, and improvement of the quality of surface and ground water, erosion control, and improvement of the health of the soil in Roberts County.

The interest expressed by the land operators and local dairy operations of Roberts County for cost share assistance is the reason we are applying for a grant that will offer assistance for Cover Crops

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature Jodi Hook Title District Manager Date 3/1/2019

A copy of the state required [W-9 form](#) must be attached to this application.

SD EForm - 0549 V4

OFFICE USE ONLY

Signature of Reviewer _____ Title _____ Date _____
Signature of Approval _____ Title _____ Date _____

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Cost" on page 1.

A. Operating Budget

1. Salary/Benefits	1100	
2. Travel	100	
3. Contractual Services		
4. Supplies	3800	
5. Equipment (list major equipment) . . .		
6. Consultation Services		
Total Project Costs	5000	This total must equal <u>5000</u>

B. Activity Budget

Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1. Salary	550	550			1100
2. Travel	50	50			100
3. Supplies	1900	1900			3800
4. _____					0
5. _____					0
6. _____					0
7. _____					0
8. _____					0
Totals	2500	2500	0	0	5000
				This total must equal	<u>5000</u>

C. Project Partners

Partners	Amount Cash	Amount In-Kind	Total
1. RC&F	2500		2500
2. Roberts CD	2500		2500
3. _____			0
4. _____			0
5. _____			0
6. _____			0
7. _____			0
8. _____			0
Totals	5000	0	5000
			This total must equal <u>5000</u>

Please mail application and attachments to the South Dakota Department of Agriculture.

D. Project Description and Need

-Explain who will be the primary beneficiaries of this project (who will receive the benefits when this project is complete)

The Primary beneficiaries will be the landowners in Roberts County who are in the Upper Little Minnesota River Watershed who have an interest in protecting and enhancing air, soil, water quality and wildlife by providing improved natural resource conditions. Benefits from planting cover crops include:

- Reduction of fertilizer costs
- Promote biological nitrogen fixation
- Increase Organic Matter
- Weed suppression
- Improve yields by enhancing soil health
- Prevent soil erosion
- Conserve soil moisture
- Protect water quality
- Help safeguard personal health
- Sequester carbon
- Increase water infiltration
- Create soil aggregation
- Provide habitat for wildlife
- Attract beneficial insects
- Mycorrhizal Fungi association
- Supplemental grazing for livestock

-Define who will be responsible for the implementation, maintenance and follow up stages of the project.

Roberts Conservation District will be responsible for the implementation, maintenance, and follow-up of the project. Practices will be required to meet NRCS standards. Cooperators receiving cost share from this grant will sign an agreement with Roberts Conservation District addressing the terms of this project.

-Indicate where this project will be located.

All projects will be located within the Roberts Conservation District. 12 Digit HUC 070200010102 10 Digit name Town of Dahlberg-(LMR) Little Minnesota River 21,054.5 acres. See attached map.

-Describe the specific environment, natural resource, ecological, educational and/or socio-economic needs the project will address.

The main purpose of this grant is to improve the overall soil health by the implementation of planting cover crops after silage production. This practice will reduce erosion while also sequestering nutrients from manure that is applied after silage is harvested. Leading to an overall decrease in pollutants from entering streams, wetlands, and lakes. Grazing livestock will be highly encouraged. Implementing practices such as these result in the conservation, protection, and improvement of the quality of surface and ground water, erosion control, and improvement of the health of the soil in Roberts County.

Interest was expressed for cost share assistance by the land operators and local dairy operations of Roberts County, therefore we are applying for this grant to assist in a comprehensive soil health plan. This will be the regions first time having access to cost share for cover crops. Silage production in this region is intensive and the land not managed in a conducive manner to protect our resources. 12,000 acres annually are left bare and vulnerable to erosion thus negatively impacting our natural resources.

-Describe the specific on the ground restoration activities to be undertaken on site to achieve the project objectives, and why it is needed.

The proposed project will provide cost share for the seed and the seeding of the cover crop. The goal of the project is to assist 17 landowners/operators in Roberts County. The project time frame will be one year from July 1, 2019 through June 30, 2020. Roberts Conservation District, Ducks Unlimited, and local NRCS staff will be the consultants for this project and provide final approval. District staff will be responsible for informing the public about the program through articles in the local newspapers and Conservation News by Roberts Conservation District which is sent out quarterly. The District and Ducks Unlimited will provide technical assistance to the landowner/operator, coordinate program signup, and administer the program by proper accounting of funds and grant reporting. If funded, Ducks Unlimited will leverage for matching grant funds.

-Explain if this project is part of a larger regional and/or local watershed effort.

This grant will be applied directly to a sub-watershed of the Little Minnesota River Watershed in Roberts County. This project provides assistance that will positively affect the Upper Mississippi River Basin which is 21,054.5 acres in size and affects Big Stone Lake and the hypoxic area in the Gulf of Mexico.

-Describe provisions to ensure long-term management and protection of the project.

Producers will sign an agreement to the conditions of the project. Roberts Conservation District will monitor the practice for the term of the agreement.

E. Final Products

The final product of this project will be improved water quality using soil health practices. This can be accomplished in rivers and streams of Roberts County through the reduction of nutrients, sediment and other pollutants that are entering the watersheds tributaries.

The following objectives have been developed through the water quality projects and established goals for the entire watershed.

- **Objective:** Improve water quality in Roberts County by reducing nutrients and sediment.
 - Maintain a sustainable level of agricultural productivity by improving soil condition, reducing erosion, improving plant productivity and forage quality.

- **Objective:** Improve soil health in Roberts County by utilizing soil health principles.
 - Plant a diverse mix of cover crops, which will sequester nutrients and carbon while stimulating the natural biology in the soil.
 - Increase water infiltration, organic matter, promote biological nitrogen fixation, and attract beneficial insects by incorporating diversity and proper agronomic management.
 - Assist in the transition from conventional tillage to minimal or no tillage.

F. Partner Justification

- The Roberts Conservation District has a strong long-standing working relationship with project partners which includes NRCS, US Fish and Wildlife Service, SD Game Fish and Parks, NE Glacial Lakes Water Quality Project, Ducks Unlimited, SD Department of Environment and Natural Resources, SD Division of Resource Conservation and Forestry, Day Conservation District, Grant County Conservation District, Marshall County Conservation, and the Sisseton Wahpeton Oyate. The Roberts Conservation District have strong local support from entities such as the Roberts County Commissioners, Riverview LLP, Big Stone Lake Association, Lake Traverse lake Association and the Red River Basin Authority.

G. Success Measurement

- At the end of the fiscal year the District will review practices that have been installed and the extent of each practice and outreach completed to compare against the goals that have been identified above. This information will be made available to the public and other interested parties for confirmation of the success of the project. Roberts Conservation District along with Ducks Unlimited will sponsor a field day and tour to demonstrate the use of cover crops seeded directly into corn silage ground and the potential benefits that will result from this practice.

Upper Little Minnesota River Watershed

Date: 3/1/2019

District: ROBERTS

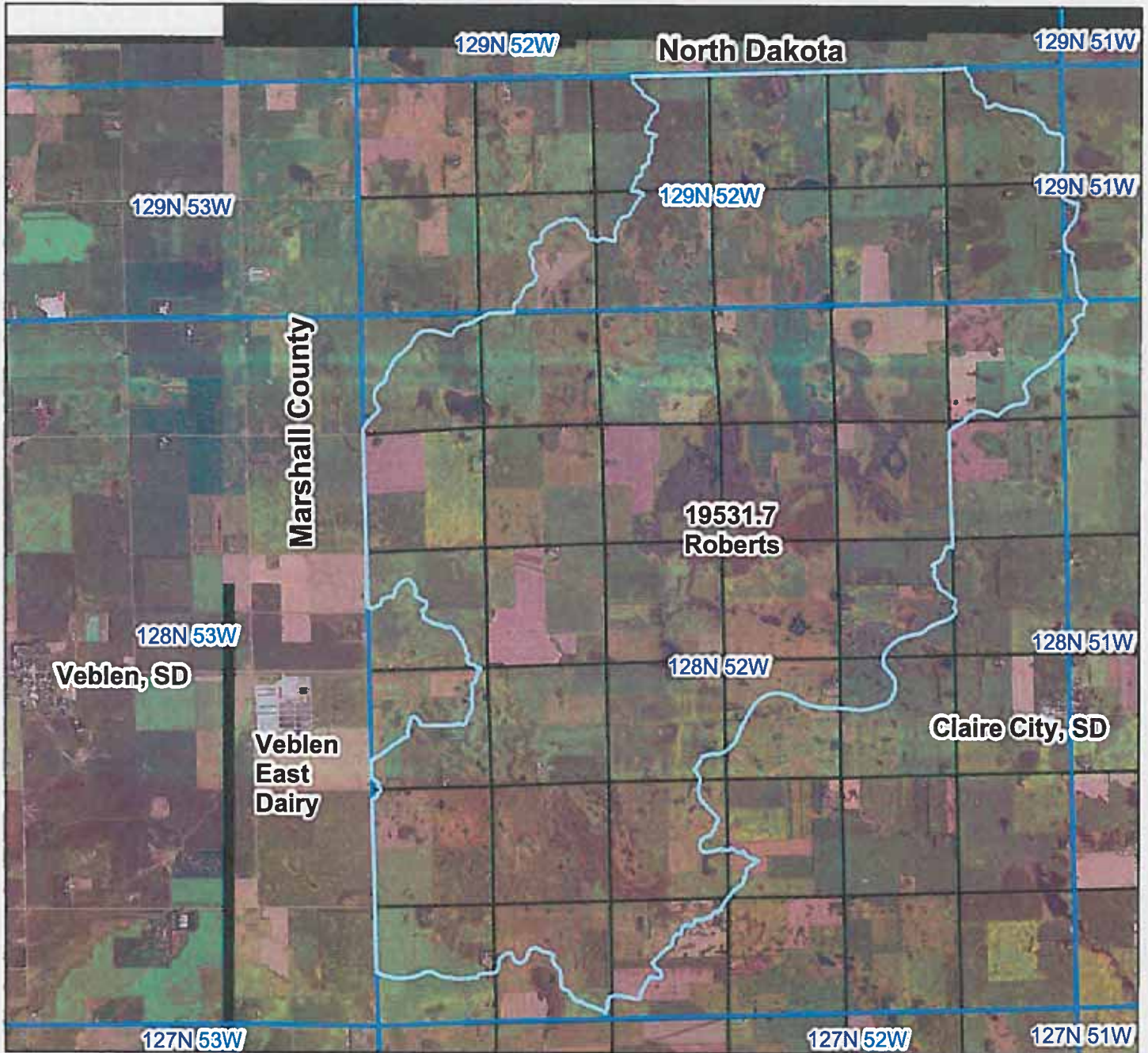
Field Office: SISSETON

Agency: USDA/NRCS

Assisted By: MICHAEL JENSEN

State and County: SD, Roberts County, South Dakota

Legal Description: 12 digit HUC; 070200010102



Prepared with assistance from USDA-Natural Resources Conservation Service

Legend

-  HU-Project Area
-  Townships
-  Sections





SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

RESOURCE CONSERVATION AND FORESTRY DIVISION

523 East Capitol Avenue

Pierre, SD 57501

Phone: 605.773.3623 Fax: 605.773.4003

sdda.sd.gov

GRANT APPLICATION FORM

Applicant Information

Organization: Roberts Conservation District Mailing Address: 2018 SD Hwy 10
 Telephone: 605-698-3923 City: Sisseton State: SD Zip: 57257
 Tax Status: Government Entity

Project Contact

Project Officer: Jodi Hook Telephone: 605-698-3923
 Fax: _____ Email: jodi.hook@sd.nacdnet.net

Project Information

Project Name: 2019-20 Tree/Shrub program
 Start Date: July 1, 2019 End Date: June 30, 2020
 Legal description: County Roberts
 Township: _____ Range: _____
 Section: _____ Qtr: _____

Type of Grant

- Conservation Grant Community Forestry
 Insect/Disease Invasive Species
 Forest Stewardship Mountain Pine Beetle
 Other (specify): _____

Financial Information

Grant funds requested: \$5784.00 Partner contributions (total): \$7675.00 Total project cost: 13459

Please give a brief, descriptive summary of the project (Use section D to provide project details)

The Roberts Conservation District Tree/Shrub Program 2019-2020 will offer financial and technical assistance to landowners for the planting of trees and shrubs. These plantings will provide resource benefits in one or more following: reduction of wind and soil erosion, livestock protection, snow management to farmsteads, roadways and croplands. Added benefits will be: improved air quality, conservation of energy resources, increased wildlife habitat and the associated economic benefits to private landowners and local communities.

The goal of this project is to plant 4.5 acres and involve 3-4 landowners that have sites that do not qualify for the other federal or state sponsored cost share programs. The cost share will be applied and limited to the planting and the fabric installation costs of the landowner. Landowners will be responsible for all site preparation costs and continual maintenance costs. The 2019 Conservation Commission Approved Practices Cost and Cost-Share Percentages guide will be followed.

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature Jodi Hook Title District Manager Date 2/26/20

A copy of the state required [W-9 form](#) must be attached to this application.

SD EForm - 0549 V4

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Signature of Reviewer _____ Title _____ Date _____

Signature of Approval _____ Title _____ Date _____

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Cost" on page 1.

A. Operating Budget

1. Salary/Benefits	_____		
2. Travel	_____		
3. Contractual Services	_____	13,459	
4. Supplies	_____		
5. Equipment (list major equipment)	_____		
6. Consultation Services	_____		
Total Project Costs	_____	130459	This total must equal <u>13459</u>

B. Activity Budget

Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1. <u>Tree/Shrub planting</u>	1768	2522	_____	_____	4290
2. <u>Fabric Installation</u>	4016	5153	_____	_____	9169
3. _____	_____	_____	_____	_____	0
4. _____	_____	_____	_____	_____	0
5. _____	_____	_____	_____	_____	0
6. _____	_____	_____	_____	_____	0
7. _____	_____	_____	_____	_____	0
8. _____	_____	_____	_____	_____	0
Totals	5784	7675	0	0	13459
					This total must equal <u>13459</u>

C. Project Partners

Partners	Amount Cash	Amount In-Kind	Total
1. <u>RC&F</u>	5784	_____	5784
2. <u>Landowner/operator</u>	7675	_____	7675
3. _____	_____	_____	0
4. _____	_____	_____	0
5. _____	_____	_____	0
6. _____	_____	_____	0
7. _____	_____	_____	0
8. _____	_____	_____	0
Totals	13459	0	13459
			This total must equal <u>13459</u>

Please mail application and attachments to the South Dakota Department of Agriculture.

D. Project Description and Need

1. Primary Beneficiaries of the Project
 - a. Roberts County Producers-provide cost share for 3-4 producers for the purpose of planting trees & shrubs.
 - b. Surrounding Area-will benefit through reduced soil erosion, improved water quality, air quality, county aesthetics, and increased wildlife habitat.
 - c. Roberts County Community-economic benefits through improved efficiency for farmsteads and cattle in feedlots (farmstead & feedlot shelterbelts); decrease in snow accumulation on county and township roads (living snow fence); a more beautiful country-side in Roberts County.
2. Responsible for implementation, maintenance and follow-up
 - a. Roberts Conservation District- the district will evaluate the proposed tree site and determine if the site will establish one of the four goals of the Conservation Plan (reduce cropland erosion, improve rangeland and pastureland, improve water quality, and/or protect ground water.)
 - b. Tree will be planted following the NRCS recommendations. The Conservation District will monitor the planting for survival and care for the next 2 years.
3. Indicate where this project will be located
 - a. This project will be located within the Roberts County which includes Upper Mississippi, Red River Basin, and Upper Big Sioux Coteau Watersheds.
4. Describe the specific environmental, natural resource, ecological, educational needs the project will address.
 - a. Environmental & Natural Resource-reduce soil erosion, improve and protect water quality, improve air quality, increase wildlife habitat, and use of more efficient energy.
 - b. Social Impact- This Grant will help to beautify the community. Trees truly add to the beauty of the land. More Efficient use of our energy saves money which is a social benefit to Roberts County.

Field windbreaks reduce soil erosion and sedimentation into nearby water bodies. Shelterbelts planted into riparian areas provide bank stabilization reducing sedimentation and nutrients from entering the water, creating habitat for wildlife, improving habitat for fish by decreasing water temperatures, and providing cover for wildlife. Wildlife Habitat plantings increase diversity and abundance of both game and non game species. Grassland management plantings increase productivity and energy efficiency in livestock herds. Farmstead plantings increase energy efficiency of buildings, improve aesthetics, improve air quality, improve or maintain water quality with strategic placement of shelterbelts where snowfall is involved. Feedlot plantings increase the energy efficiency of livestock, reduced soil erosion, and protect water quality.
5. Federal, State, or Local permits required to complete this project
 - a. Local zoning permits will be obtained will be obtained if required. Cultural Resources are considered for all conservation activities.

E. Final Products

Expected benefits of the project include the conservation of the natural resources in Roberts County through the planting of 4.5 acres of shelterbelts. Approximated three - four landowners, farmers and ranchers will receive financial assistance that will facilitate the planting of the shelterbelts, which are some cases may not have not been planted or would have delayed planting. Socio-economic benefits of Roberts County

Tree/Shrub Program will come as a result of increased aesthetics in rural areas and increased efficiency for homeowners. In addition, by planting tree and shrubs, there is an increased awareness of resource conservation and educational opportunities to show the benefits of planting trees, which include improving water quality, improving air quality, reducing soil erosion and many other conservation benefits.

F. Partner Justification

1. The Roberts Conservation District will be responsible for the grant in its entirety. The 2018 Conservation Commission Approved Practices Costs and the Approved Cost-Share Percentages will be followed. The South Dakota Coordinated Soil and Water Conservation Plan will be followed. The district has an excellent tree planting program, and will be responsible for the planting of the trees/shrubs. The district will conform to the goals and objectives of this plan. The district will be responsible for the project management, marketing, shelterbelt design, technical assistance, and evaluation of the project.
2. The Conservation Commission Grant will be responsible for approximately 36% of the cost of tree planting, tree fabric and application.
3. The project will use the Cooperative Extension Service for their resources for adaptable trees in the area, disease concerns, and general knowledge of trees.
4. If the project requires fencing needs, the producer will be referred to US Fish & Wildlife for any possible fencing projects.
5. The tree plantings will follow the guidelines and specifications established by NRCS.
6. The landowner will have the most gain from this project. He will provide at least 60% to 65% of the cost of tree planting, and the fabric. The producer will be responsible for all site preparation and maintenance.

G. Success of the Project

Project success will be measured by the number of acres of shelterbelts planted and the number of landowners assisted. Tree survival will be evaluated on all plantings in July and August of each year. The improvement of water quality, reduction of soil erosion, the protection of ground water, and the improvement of range and pastureland will be will be the true measures of success.

Success rates in projects of this variety are hard to measure. How do we measure the improvements in air and water quality in these areas, or the protection of ground water and improvement of pasturelands? The value of these tree sites is incalculable. The landscape value and beauty alone is enough to cherish.



SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

RESOURCE CONSERVATION AND FORESTRY DIVISION

523 East Capitol Avenue
Pierre, SD 57501

Phone: 605.773.3623 Fax: 605.773.4003
sdda.sd.gov

GRANT APPLICATION FORM

Applicant Information

Organization: Roberts Conservation District Mailing Address: 2018 SD Hwy 10
Telephone: 605-698-3923 City: Sisseton State: SD Zip: 57262
Tax Status: government entity

Project Contact

Project Officer: Jodi Hook Telephone: 605-698-3923
Fax: _____ Email: jodi.hook@sd.nacdnet.net

Project Information

Project Name: Conservation ED & Public Awareness
Start Date: July 1st 2019 End Date: June 30, 2020
Legal description: County Roberts
Township: _____ Range: _____
Section: _____ Qtr: _____

Type of Grant

- Conservation Grant Community Forestry
- Insect/Disease Invasive Species
- Forest Stewardship Mountain Pine Beetle
- Other (specify): _____

Financial Information

Grant funds requested: 2500 Partner contributions (total): 2500 Total project cost: 5000

Please give a brief, descriptive summary of the project (Use section D to provide project details)

This grant will assist Roberts Conservation District with conservation awareness and education. The monies will be used in Roberts County. Education younger generations on conservation practices and spreading general public awareness is the best way to promote conservation for many generations. This grant will assist us in many programs/activities such as farm/home shows, Arbor Day activities, conservation workshops, and youth activities. The conservation district are usually the forefront of community is huge. We remind the general public of conservation practices and their importance. CD's instill good stewardship ideas in the youth and others.

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature Jodi Hook Title District mgr Date 02-25-19

A copy of the state required [W-9 form](#) must be attached to this application.

SD EForm - 0549 V4

OFFICE USE ONLY

Signature of Reviewer _____ Title _____ Date _____
Signature of Approval _____ Title _____ Date _____

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Cost" on page 1.

A. Operating Budget

1. Salary/Benefits	1100	
2. Travel	100	
3. Contractual Services		
4. Supplies	3800	
5. Equipment (list major equipment) . . .		
6. Consultation Services		
Total Project Costs	5000	This total must equal <u>5000</u>

B. Activity Budget

Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1. Salary	550	550			1100
2. Travel	50	50			100
3. Supplies	1900	1900			3800
4. _____					0
5. _____					0
6. _____					0
7. _____					0
8. _____					0
Totals	2500	2500	0	0	5000
				This total must equal	5000

C. Project Partners

Partners	Amount Cash	Amount In-Kind	Total	
1. RC&F	2500		2500	
2. Roberts CD	2500		2500	
3. _____			0	
4. _____			0	
5. _____			0	
6. _____			0	
7. _____			0	
8. _____			0	
Totals	5000	0	5000	
			This total must equal	5000

Please mail application and attachments to the South Dakota Department of Agriculture.

Conservation Awareness and Education Grant Roberts Conservation District

Project Description & Need

- **Primary Beneficiaries of this Project**
 - All of Roberts County will benefit from the project.
 - Youth and school aged children will benefit from specific activities to start conservation awareness at a young age. Conservation starts with education.
 - Community adults will benefit from workshops and public awareness of the Conservation District. Conservation Districts are important for their county's conservation practices and awareness.
 - Local producers will benefit from knowing the Conservation District has options for them to implement conservation practices and educational workshops and demonstrations.

- **Responsible for Implementation, Maintenance, & Follow-up**
 - Roberts Conservation District and its staff are responsible for implementation, maintenance, and follow-up of the activities and project for this grant.

- **Location**
 - Roberts County

- **Environmental, Natural Resource, Ecological, Educational, &/or Socio-Economic Needs**
 - Environmental, natural resources, and ecological needs will be addressed through this grant with workshops to implement conservation practices such as cover crops, water quality, and no-till operations.
 - Educational needs will be addressed through all of the youth activities that teach conservation and ecological information such as Arbor Day presentations.
 - Social impact will be on the entire community through conservation and ecological impacts of the county's water, soil, and vegetation improvements.
 - Impacts will come from the community, youth and adults, knowing the Conservation District is here to assist in their environmental needs.

- **Federal, State, or Local Permits**
 - No permits are required for this project. Cultural resource concerns are considered in all conservation efforts.

Final Products

Anticipated benefits of this project are ecological, educational and social. We hope teaching youth about the need for conservation will continue into the next generations. Educating children on the importance of trees for habitat and worms in healthy soil help them as adults to implement better conservation practices such as no-till farming, water quality, or planting shelterbelts. Hosting workshops, being involved in various community activities, and our presence at the Farm/Home show associates Roberts Conservation District with conservation to adults. When they think of conservation or have questions, we hope the public education and awareness of this project brings them to us. Roberts Conservation District would like to be the forefront of conservation assistance for our community. If they have questions about water quality, where to get cover crop or pollinator patch seed, trees, shrubs, and flowers, or soil health demonstrations, we want them to come to us.

Partner Justification

- Roberts Conservation District (RCD) – RCD is responsible for all aspects of the grant project. RCD will provide 50% of the expenses.
- Resource Conservation & Forestry Grant – The grant will cover 50% of the expenses.
- Natural Resource Conservation Service (NRCS) – The relationship between RCD and NRCS is very important to the success of RCD's missions and projects. RCD collaborates with NRCS for expert consultation on conservation matters.
- South Dakota State University Extension Services – RCD collaborates with Extension Services for educational youth activities.
- SD Game, Fish, & Parks (SD GF&P) – RCD collaborates with SD GF&P for educational youth activities.
- Community – Roberts County & the residents – Through attendance of our activities and community projects, RCD can be a large benefit to the county. The more the community utilizes the RCD, the more RCD can do for its community.

Success of the Project

If Roberts Conservation District reaches one school aged child to introduce and enforce conservation, we consider that a success. If we can reach one producer about the importance of conservation practices such as cover crops, we consider that a success. If we reach one urban community member about the importance of pollinator habitat, we consider that a success. If the members of our county recognize Roberts Conservation District as an organization that can help them in their conservation and ecological goals, we consider that a success.



SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

RESOURCE CONSERVATION AND FORESTRY DIVISION

523 East Capitol Avenue
Pierre, SD 57501
Phone: 605.773.3623 Fax: 605.773.4003
sdda.sd.gov

GRANT APPLICATION FORM

Applicant Information

Organization: Spink Conservation District Mailing Address: PO BOX 146
Telephone: (605) 472-0102 ext. 3 City: Redfield State: SD Zip: 57469
Tax Status: Government

Project Contact

Project Officer: Dennis Clemens Telephone: (605) 472-0102 ext. 3
Fax: Email: dennis.clemens@sd.nacdn.net

Project Information

Project Name: Braun Regenerative Ag Demonstration Site
Start Date: 5/19 End Date: 11/21
Legal description: County Spink
Township: 118 Range: 64
Section: 26 Qtr: SW

Type of Grant

- Conservation Grant
Community Forestry
Insect/Disease
Invasive Species
Forest Stewardship
Mountain Pine Beetle
Other (specify):

Financial Information

Grant funds requested: \$22,500.00 Partner contributions (total): 48,018.00 Total project cost: 70,518.00

Please give a brief, descriptive summary of the project (Use section D to provide project details)

The demonstration site will be an extensive test of how diverse crop rotations, cover crops, companion crops and integration of livestock will affect soil health. Our plots will be split. Half of each plot will be no till and have cover or companion crops and the other half will be strictly no till. Each plot will be extensively tested. We will use multiple soil tests per year to track Organic matter, Nitrogen, Phosphorus, Potassium, Soil ph, CEC, ECs, Soil infiltration rates, % Residue, Soil Health Score, Soil Temp, Sodium, Calcium, Magnesium, Aluminum, Iron, WEOC, WEON, Yield, Fertilizer cost, Chemical cost, Seed cost, and Profitability. We are hoping to demonstrate that with No Till, Diverse Crop Rotations, Soil Cover, cover crops and companion crops we can revive the soil biology and regenerate the soil to cut down on fertilizer and chemical costs while building organic matter and soil biology for not only a sustainable system, but a regenerative system. We will use a rotation of corn, soybeans, wheat and sunflowers along with cover crops and companion crops. We will utilize cattle to graze cover crops to increase soil biology. We will host tours and soil health workshops to

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature Title District Technician Date 2/26/19

A copy of the state required W-9 form must be attached to this application.

SD EForm - 0549 V4 OFFICE USE ONLY
Signature of Reviewer Title Date
Signature of Approval Title Date

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Cost" on page 1.

A. Operating Budget

1.	Salary/Benefits	21,000.00	
2.	Travel	500.00	
3.	Contractual Services	16,251.00	
4.	Supplies	8,387.00	
5.	Equipment (list major equipment)	3500.00	
6.	Consultation Services	20,880.00	
Total Project Costs		70,518.00	This total must equal <u>70,518.00</u>

B. Activity Budget

Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1. Salary	12,340.00	2,360.00	6,300.00		21,000.00
2. Travel	500.00				500.00
3. Fertilizer/ Chemical	1,660.00	1,104.00			2,764.00
4. Crop Seed			1,923.00		1,923.00
5. <small>Grass/ Pollinator/ Cover Crop Seed</small>			3,700.00		3,700.00
6. Planting/ Harvest/ Rent		795.00	15,456.00		16,251.00
7. Soil Tests	5,000.00	5,000.00	10,880.00		20,880.00
8. Fencing	3,000.00	500.00			3,500.00
Totals	22,500.00	9,759.00	38,259.00		70,518.00
This total must equal					<u>70,518.00</u>

C. Project Partners

Partners	Amount Cash	Amount In-Kind	Total
1. RC&F	22,500.00		22,500.00
2. Spink Conservation District	3,964.00	795.00	9,759.00
3. Millborn/PF		3,700.00	3,700.00
4. Mustang		1,923.00	1,923.00
5. <small>Next Level Ag/ NRCS/ Precision Soils</small>		10,880.00	10,880.00
6. Braun Farms		16,506.00	16,506.00
7. Ducks Unlimited		5,250.00	5,250.00
8. _____			
Totals	31,464.00	39,054.00	70,518.00
This total must equal			<u>70,518.00</u>

Please mail application and attachments to the South Dakota Department of Agriculture.

Resource Conservation and Forestry

Grant Application Guidelines

In addition to a completed application, please provide a project narrative. The narrative should not exceed three pages of single-spaced text. Please attach any maps, figures, and photographs that you feel are valuable in explaining the project. The project narrative must include:

Project Partners

- Please list any project partners and quantify their contribution to the project.
- Any practice funded by the Coordinated Natural Resources Conservation Grant funds must meet one or more goals of the Coordinated Plan for the Natural Resources Conservation.

Project Descriptions and Need

- Explain who will be the primary beneficiaries of this project.
- Define who will be responsible for the implementation, maintenance, and follow-up stages of the project.
- Indicate where this project will be located (district, watershed, community, etc.). Attach maps as relevant.
- Describe the specific environmental, natural resource, ecological, educational, and/or socio-economic need(s) that the project will address.
- Briefly describe the specific on-the-ground restoration activities to be undertaken on-site to achieve the project objectives and why it is needed.
- Explain if this project is part of a larger regional and/or local watershed effort.
- Describe provisions to ensure long-term management and protection of the project (e.g., conservation easements on private land, long-term monitoring program).
- Please indicate if any federal, state, or local permits are required to complete the project and the status of efforts to secure necessary authorization.

Final Products

- Describe the anticipated benefits of the project from an ecological, educational, and/or socio-economic perspective (e.g., number of acres of wetlands or stream miles restored, target audience and how they will benefit).
- Identify how you will measure the success of the project.

Partner Justification

- Describe the strengths, qualifications, and nature of the contribution of your organization and other collaborating organizations.

In addition to the application and project narrative, applications for Urban and Community Forestry Challenge Grants must also include:

- Completed sub-grant questionnaire.
- Submit a work plan outlining the activities you wish to accomplish through this grant.

Tree species selected must be at least 1¼ inch caliper and at least 10 feet tall in accordance with the American Standard for Nursery Stock (ANSI Z60.1 – 2006).

PROJECT NARRATIVE
BRAUN REGENERATIVE AG DEMONSTRATION SITE
SPINK CONSERVATION DISTRICT

D. Project Description and Need

-Explain who will be the primary beneficiaries of this project (who will receive the benefits when this project is complete)

The primary beneficiaries will be any producer, agronomist, gardener or conservation planner that attends our tours and workshops or contacts the district about soil health. They will be able to see the effects a regenerative ag system has on degraded soils. Through extensive testing, our data will show they can rebuild their soils, cut down on fertilizer and chemical cost and become more profitable. While the producers will be the economical beneficiaries, our soils stand to benefit the most.

-define who will be responsible for the implementation, maintenance and follow up stages of the project.

The Spink Conservation District will be responsible for the implementation with the help of Braun Farms, The Soil Health Coalition, Millborn seeds, NRCS, Ducks Unlimited, Pheasants Forever, Next Level Ag and Mustang seeds. The maintenance will be done by the Spink Conservation District with help from other partners as needed. The follow up will consist of tours and workshops put on by the Spink Conservation District with help from NRCS, Soil Health Coalition and other partners.

-indicate where this project will be located.

Spink County, southwest corner of 26-118-64. It is ten miles north of Redfield along highway 281. It is a high exposure site that will be easy to access for tours.

-describe the specific environmental, natural resource, ecological, educational and/or socio-economical need(s) the project will address

The environmental and natural resource concerns are soil degradation, loss of organic matter and excessive use of synthetic fertilizer and chemicals. There is an ecological need due to too high of input costs and lack of sustainability in agriculture. The educational purpose is to show producers that they can rebuild their soils, cut down on fertilizer and chemical use and lower input costs, in turn creating a more profitable and sustainable system.

-briefly describe the specific on-the-ground restoration activities to be undertaken on-site to achieve the project objectives, and why it is needed.

We will utilize no till, diverse crop rotations, cover crops, and companion crops along with cutting down on synthetic fertilizers and chemicals to rebuild the soil biology to build organic matter. We will improve our soil structure, which will increase our water infiltration and build the soils water holding capacity. By having a living root in the soil as long as possible we will be putting carbon into the soil and feeding the soil food web that will in turn provide nutrients for our crops.

-describe provisions to ensure long-term management and protection of the project

We want to be a long-term project, the longer we do it the better the system is. We would like to continue this project for at least ten years. We plan on utilizing cattle to graze cover crops in the

future to show the benefits cattle can have on a system. We plan on this being an educational site for regenerative ag for many years.

E. Final Products

- Describe the anticipated benefits of the project from an ecological, educational, and/or socio-economical perspective

This project will educate farmers, agronomists and others on how a regenerative system can rebuild their degraded soils by diversifying crop rotations, implementing cover crops and companion crops. This will allow them to reduce fertilizer and chemical use. This will in turn benefit our soils and pollinating insects. This will also increase profitability by lowering input costs and potentially increasing yields by introducing new crops and having healthier crops.

F. Partner Justification

-describe the strengths, qualifications and nature of the contribution of your organization and other collaborating Organizations

The Spink Conservation District has long been a promoter of conservation and soil health. Our board is made up of farmers whose livelihood depends on the soil. The district has equipment available to help with the implementation and maintenance.

The Soil Health Coalition was created by concerned farmers and conservationist from around the state to address the soil health issues in South Dakota. They have agronomist on staff that will help with the project.

The NRCS works hand in hand with the conservation district to promote soil health and conservation and has many programs dedicated to this. They have employees in many fields to provide technical assistance.

Braun Farms are providing the land for the project and have much of the equipment needed to implement the project.

Millborn Seeds will provide cover crop, companion crop and grass seed. They have an agronomist on staff that will help with the project.

Next Level Ag has a soils lab that will do our soil testing and Haney test that will show what we are gaining in our soils.

Mustang Seeds will be providing corn and bean seed and have a planter that can be used.

Ducks Unlimited has been a long-time conservation organization and have been focusing on soil health

Pheasants Forever is a conservation organization that realizes the need for soil health and will help with some seed costs.

G. Identify how you will measure the success of the project.

The success of this project will be measured in many ways starting with showing how much we can build organic matter and soil biology in our soils. This will be measured by extensive soil testing. We will also track profitability per acre by keeping track of input costs and yields and show how as we get further into the project that we can reduce input costs and profits per acre will go up. The attendance we have at our workshops and tours will be a true measure of our success, the more people we can educate the more successful we will be.

GRASS HEADLAND 60' wide	30'	SALINE HAY MIX	GRASS HEADLAND 1020' long 30' wide
	SWITCHGRASS		
	POLLINATORS		
	WESTERN WHEATGRASS/TALL WHEATGRASS		
	CORN WITH RYE		
	CORN NO RYE		
	SOYBEAN WITH COMPANION FOLLOWED BY WINTER WHEAT		
	SOYBEAN NO COMPANION FOLLOWED BY WINTER WHEAT		
	SPRING WHEAT (1ST YEAR) FOLLOWED BY COVER		
	SPRING WHEAT (1ST YEAR) NO COVER		
	WESTERN WHEATGRASS/TALL WHEATGRASS		
	POLLINATORS		
	SALINE HAY MIX		
	SWITCHGRASS		
	NON GMO CORN WITH INTERSEEDED COVERS		
	NON GMO CORN NO COVERS		
	FULL SEASON COVER CROP		
	FULL SEASON COVER CROP		
	SUNFLOWERS WITH COMPANION CROP		
	SUNFLOWERS NO COMPANION CROP		
GRASS HEADLAND headland 60' wide plots 726' long			



Todd County Conservation District

PO Box 268

Mission, S.D. 57555

Ph. 605-259-3252 ext. 3

Fax. 855-254-6029

February 28, 2019

South Dakota Conservation Commission
523 East Capitol Avenue
Pierre, SD 57501-3182

Dear South Dakota Conservation Commission:

The Todd County Conservation District is proud to submit a grant application for the 2019 Spring Grant Round. The following application is for our 2019 TC Cover Crop grant that will start July 1, 2019 and end December 31, 2020.

Along with our application, you will find a copy of the minutes from our board meeting, our TIN verification, the narrative that goes with our application which includes a spreadsheet to explain how we came up with our figures.

Thank you for your assistance and for considering our grant. If you have any questions or concerns, please call the Todd County Conservation District at 605-259-3252.

Sincerely,

A handwritten signature in cursive script that reads "Katherine Alban".

Katherine Alban
Administrative Assistant
Mellette & Todd County Conservation Districts



SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

RESOURCE CONSERVATION AND FORESTRY DIVISION

523 East Capitol Avenue
Pierre, SD 57501

Phone: 605.773.3623 Fax: 605.773.4003
sdda.sd.gov

GRANT APPLICATION FORM

Applicant Information

Organization: Todd County Conservation District Mailing Address: PO Box 268
Telephone: 605-856-4440 City: Mission State: SD Zip: 57555
Tax Status: Government

Project Contact

Project Officer: Laurie Chauncey Telephone: 605-259-3252 ext. 3
Fax: Email: Laurie.chauncey@sd.nacdnet.net

Project Information

Project Name: 2019 Cover Crop
Start Date: 07/01/2019 End Date: 12/31/2020
Legal description: County Multi
Township: Range:
Section: Qtr:

Type of Grant

- Conservation Grant (checked) Community Forestry
Insect/Disease Invasive Species
Forest Stewardship Mountain Pine Beetle
Other (specify):

Financial Information

Grant funds requested: 15000 Partner contributions (total): 15000 Total project cost: 30000

Please give a brief, descriptive summary of the project (Use section D to provide project details)

The 2019 Cover Crop grant will be used to assist producers interested in improving soil health through use of cover crops in Todd and Mellette Counties. The Mellette and Todd County Conservation District have used a previous cover crop grant primarily for outreach and education. with the previous project we have held two field days and intend to host one in 2019. The new grant will assist producers who are interested in trying cover crops on their operation. Cover crops have been shown to increase soil organic matter and improve soil biology. this grant will assist producers to afford the initial test of cover crops on their operation. Hopefully they will reap the benefits and use this tool to improve their soil health on more acres in their operations. The grant will be used as a one time assistance per producer land unit. The project will assist in planting 960 acres of cover crops in Todd and Mellette County.

I hereby certify that to the best of my knowledge and belief, this application is true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted programs.

Applicant Signature Katherine Alban Title Admn. Assistant Date 2/28/19

A copy of the state required W-9 form must be attached to this application.

SD EForm -- 0549 V4 OFFICE USE ONLY
Signature of Reviewer Title Date
Signature of Approval Title Date

BUDGET SHEET

The total for each of these three sections should equal the "Total Project Cost" on page 1.

A. Operating Budget

1. Salary/Benefits	1500	
2. Travel		
3. Contractual Services	28500	
4. Supplies		
5. Equipment (list major equipment)		
6. Consultation Services		
Total Project Costs	30000	This total must equal <u> 0 </u>

B. Activity Budget

Activity	Grant Funds	Local Funds	Local In-Kind	Other Funds	Total
1. <u>Cover Crops</u>	13500	13500	1300		0
2. <u>Admin</u>	1500	200	200		0
3. _____					0
4. _____					0
5. _____					0
6. _____					0
7. _____					0
8. _____					0
Totals	15000	13700	1500	0	0
					This total must equal <u> 30000 </u>

C. Project Partners

Partners	Amount Cash	Amount In-Kind	Total
1. <u>Mellette CD Producers</u>	6750	650	0
2. <u>Todd CD Produce</u>	6750	650	0
3. <u>Division of RC&F</u>	15000		0
4. <u>MCCD</u>	100	100	0
5. <u>TCCD</u>	100	100	0
6. _____			0
7. _____			0
8. _____			0
Totals	0	0	0
			This total must equal <u> 0 </u>

Please mail application and attachments to the South Dakota Department of Agriculture.

Resource Conservation and Forestry

Grant Application Guidelines

In addition to a completed application, please provide a project narrative. The narrative should not exceed three pages of single-spaced text. Please attach any maps, figures, and photographs that you feel are valuable in explaining the project. The project narrative must include:

Project Partners

- Please list any project partners and quantify their contribution to the project.
- Any practice funded by the Coordinated Natural Resources Conservation Grant funds must meet one or more goals of the Coordinated Plan for the Natural Resources Conservation.

Project Descriptions and Need

- Explain who will be the primary beneficiaries of this project.
- Define who will be responsible for the implementation, maintenance, and follow-up stages of the project.
- Indicate where this project will be located (district, watershed, community, etc.). Attach maps as relevant.
- Describe the specific environmental, natural resource, ecological, educational, and/or socio-economic need(s) that the project will address.
- Briefly describe the specific on-the-ground restoration activities to be undertaken on-site to achieve the project objectives and why it is needed.
- Explain if this project is part of a larger regional and/or local watershed effort.
- Describe provisions to ensure long-term management and protection of the project (e.g., conservation easements on private land, long-term monitoring program).
- Please indicate if any federal, state, or local permits are required to complete the project and the status of efforts to secure necessary authorization.

Final Products

- Describe the anticipated benefits of the project from an ecological, educational, and/or socio-economic perspective (e.g., number of acres of wetlands or stream miles restored, target audience and how they will benefit).
- Identify how you will measure the success of the project.

Partner Justification

- Describe the strengths, qualifications, and nature of the contribution of your organization and other collaborating organizations.
-

In addition to the application and project narrative, applications for Urban and Community Forestry Challenge Grants must also include:

- Completed sub-grant questionnaire.
- Submit a work plan outlining the activities you wish to accomplish through this grant.

Tree species selected must be at least 1¼ inch caliper and at least 10 feet tall in accordance with the American Standard for Nursery Stock (ANSI Z60.1 – 2006).

D - Project Description and Need

The agricultural producers that own or operate land within the boundaries of the Mellette and Todd County Conservation Districts will be the primary beneficiaries of the grant. Projects completed under this grant would most certainly help future generations as well. The organic matter on hayfields in this area is continuously taken off and harvested. The soil suffers by not having organic matter. Soil is the Natural Resource that we are most concerned about. We would like to improve soil health without affecting production with the use of cover crops. Projects installed will be for those interested in the many advantages that cover crops can provide. Many producers have expressed the interest in cover crops but are financially unable to implement the practice without cost share. The goal of this grant is the restoration of depleted soils and to assist producers with their first cover crop planting.

The cover crop seedings planned are needed to conserve the two counties' natural resources. Cover crops are an important conservation practice used to:

- Protect and conserve our soil by reducing wind and water erosion.
- Increase fertility of the soil by constantly having a living root in the soil, promoting soil bacterial activity.
- Increase infiltration of water into the soil.
- Increase organic matter and replenishing lost top soil.

The Mellette/Todd County Conservation Districts will provide technical assistance to producers during the planning process and administration of this grant. The districts will assist landowners on the best management practices when it comes to helping them through the process of picking a project site, deciding on the cover crop specie(s) to be planted, maintenance, and putting the plan into effect.

The producer will be responsible for preparing site to be seeded, purchasing seed, planting seed, and submitting invoices to conservation district for reimbursement. The producer will also sign an agreement for the implementation of the conservation practice.

E - Final Products

Producers within the boundaries of Mellette and Todd County that have planned projects in this grant will benefit by receiving technical and funding assistance with implementing cover crop practices on the land that they manage. Through the 2019/2020 Cover Crop Grant we plan to assist 7 producers with cover crop seedings on 960 acres. Note: Please see below for more details on the planned conservation practices.

Producer	# acres to be seeded
Elliot Yenglin	120
Scott Flannery	130
Mike Vavra	150
Lon & Pam Dryer	140
Mark Straight	140
Casey Foster	130
Eric Iversen	150
Total acres	960

F - Partner Justification

Project Partners Include:

- Todd County Conservation District
- Mellette County Conservation District
- South Central Resource Conservation and Development
- NRCS
- Producers

The Todd County Conservation District will take the lead on this project with the assistance of the Mellette County Conservation District. The districts will be in charge of making sure the grant functions as intended, doing reimbursements, preparing the final report, and keeping records of the grant from start to finish. Both districts have had many past Conservation Commission grants which have led to the implementation of many conservation practices and management experience. The districts and the local NRCS staff have a great working relationship so we may get technical assistance, guidance, or project planning advice from them. In addition, the South Central Resource Conservation and Development have a Natural Resource Concerns Technician that is available to assist the district with technical assistance, guidance, and project planning advice. The grants' funds will be matched by the producer and the conservation district.

G - Identify How You Will Measure the Success of the Project

The success of this grant will be measured by the number of producers that implement cover crop practices and the number of acres that have been planted with cover crops. The environmental benefits of these projects are unquantifiable but should be considered a success as well. Future generations will consider this project a success and appreciate our efforts to conserve the soil, a vital natural resource.

Todd County Conservation District

Board of Supervisors Regular Meeting

Todd County Building- Mission SD.

Tuesday February 5th, 2019 1:30pm

Board Members Present: Elliot Yenglin, Scott Flannery, Walt Lurz

Others Present: Laurie Chauncey, District Manager, Tate Nafziger NRCS Soil Conservationist, Katherine Alban Administrative Assistant.

Vice-Chairman Yenglin called meeting to order. 1:30 pm and declared a quorum was present.

Agenda: Flannery made motion to approve agenda with second from Lurz.

Minutes from January meeting were reviewed. Lurz made motion to approve January meeting minutes with a second from Flannery.

NRCS Reports-

Tate reported that Lealand has been hired as the NRCS Area Range Conservationist he will be stationed in the Murdo office. He will cover a sixteen-county area which will include Todd and Mellette. Mary was accepted to Ag Unity in Pierre and will be there learning about the legislative process. Tate and Shannon have been busy working on EQIP applications getting them ready for the March 1st deadline.

Tribal Liaison report- Not in attendance.

Treasurer's Report and bills to be paid see separate report. Lurz made motion to approve treasurer's report with second from Flannery. Machinery Replacement CD was reviewed as it is up for renewal. The board decided to have Flannery investigate rates for CD and if could be put in at better return. Other options will be reviewed at the next meeting.

Accounts receivable were discussed. If accounts have been written off they were written off incorrectly. Elliot did not remember them ever being totally written off. He thought it had been decided that they remain in the doubtful accounts. Flannery made a motion that if a customer has a prior unpaid doubtful account that has not been paid that trees must be paid in full at the time of ordering with a second from Lurz.

Old Business:

Conservation Commission grants-

2019 Multi Practice Grant- DM reported that the grant has \$39,000 available for funding. Some of the planned participants have applied for EQIP and if funded will allow for new participants under the grant.

2018-19 Tree grant there are \$10160.67 remaining of this \$1300 is for administration the grant will end June 30th, 2019.

Cover Crop Grant- Some soil test have been completed and the grant will cover the cost of these. It will be used to cover cost of seed for next year. The grant will close June 30, 2019.

Todd Tree Grant-Mellette Tree Grants were funded at the fall grant round they are for trees in 2019 and 2020.

New Grant Ideas. Lurz made motion to submit cover crop grant for the spring grant round with a second from Flannery.

CC Grant SCRC&D The grant will assist with the environmental fair. It will also assist with Lee Manske grazing workshop that will be held at the end of February. Shannon has been working on EQIP applications and planning with producers. The grant will pay for Katherine's time spent on activities

under the grant also. The RC&D discussed submitting a new grant to continue on where this grant left off. If the grants overlap they may not be able to cash flow another position. Discussion on working with the district on a promissory note. The fund reimbursement time, and lack of administrative fees for RC&D limit their ability to fund both projects. Discussion on letter of support. Flannery made motion that if SCRC&D decides to apply for new grant the district will write a letter of support and include the Conservation Commission grants funds as In-kind match for the CCG grant. With a second from Lurz.

Equipment- Discussion on district pick-up estimate. It was decided to fix the pick-up. DM will call Frontier motors to have them complete the repairs.

Personnel-

Executive session- Not needed

New Business:

Leadership Training March 4-6th, Pierre, SD Agenda was reviewed Lurz made motion to pay registration and require employees attend. With a second from Flannery.

Financial Review DM reported that Cec Johnson completed financial review. The review and letter from her were reviewed. It was decided that this is sufficient. Doubtful accounts were discussed.

Annual Joint meeting was discussed no action taken.

Other new business

Correspondence:

Cherry Todd

Next meeting will be March 12th, 2019 at 1:30
Flannery made motion to adjourn with second from Lurz
Meeting adjourned at 4:05 pm

Vice-Chairman: Elliot Yenglin
Submitted by: Laurie Chauncey
District Manager

CHAPTER 12:07:10

NATURAL RESOURCES CONSERVATION EQUIPMENT LOAN PROGRAM

Section

12:07:10:01	Definitions.
12:07:10:02	Purpose.
12:07:10:03	Eligibility.
12:07:10:04	Application.
12:07:10:05	Commission disposition.
12:07:10:06	Loan decision.
12:07:10:07	Loan proceeds.
12:07:10:08	Loan amount.
12:07:10:09	Loan repayment.
12:07:10:10	Loan maturities.
12:07:10:11	Interest rates.
12:07:10:12	Subsequent loan requests.
12:07:10:13	Office's responsibilities.
12:07:10:14	Borrower's responsibilities.

12:07:10:01. Definitions. Terms used in this chapter mean:

- (1) "Commission," the South Dakota conservation commission;
- (2) "District," any conservation district;
- (3) "Loan," a conservation tillage equipment loan; and
- (4) "Equipment," machinery or equipment designed or used for conservation practices.

Source: 12 SDR 117, effective January 19, 1986; 12 SDR 128, 12 SDR 154, effective July 1, 1986; 17 SDR 141, effective March 25, 1991.

General Authority: SDCL [38-6-8.1](#).

Law Implemented: SDCL [38-6-3](#), [38-6-8](#).

12:07:10:02. Purpose. Conservation districts may purchase equipment for soil natural resources conservation practices and programs using proceeds from the natural resource conservation equipment loan program. Districts may provide the equipment to the farmers and ranchers of this state to implement soil natural resources conservation practices and programs.

Source: 12 SDR 117, effective January 19, 1986; 12 SDR 128, 12 SDR 154, effective July 1, 1986; 17 SDR 141, effective March 25, 1991; 45 SDR 31, effective September 13, 2018.

General Authority: SDCL [38-6-8.1](#).

Law Implemented: SDCL [38-6-3](#), [38-6-8](#).

12:07:10:03. Eligibility. A district as defined in SDCL [38-7-2](#) is eligible for a loan.

Source: 12 SDR 117, effective January 19, 1986; 12 SDR 128, 12 SDR 154, effective July 1, 1986; 17 SDR 141, effective March 25, 1991.

General Authority: SDCL [38-6-8.1](#).

Law Implemented: SDCL [38-6-3](#), [38-6-8](#).

12:07:10:04. Application. A district may apply for a loan from the office by submitting an application to the commission. The forms shall be supplied by the office. The application form shall contain the following information:

- (1) The name and address of the district and the district's secretary;
- (2) The amount of the loan request;
- (3) The term of the loan request;
- (4) A statement of when and how the loan proceeds will be used;
- (5) A proposed repayment schedule;
- (6) A current financial statement of the district;
- (7) A projected financial statement of the district over the term of the loan requested;
- (8) A certified copy of the minutes of the district's meeting at which the loan request was authorized;
- (9) The source and policy limits of liability and property damage insurance to be carried on the equipment purchased; and
- (10) The date of the application.

Source: 12 SDR 117, effective January 19, 1986; 12 SDR 128, 12 SDR 154, effective July 1, 1986; 17 SDR 141, effective March 25, 1991.

General Authority: SDCL [38-6-8.1](#).

Law Implemented: SDCL [38-6-3](#), [38-6-8](#).

12:07:10:05. Commission disposition. The commission shall review the application requested for accuracy and validity. The commission shall submit the completed application to the administrator with recommendations of approval, conditional approval subject to modifications or performance of certain actions, or disapproval. If the recommendation is to disapprove the application, the commission shall transmit the reasons for the recommendation to the administrator.

Source: 12 SDR 117, effective January 19, 1986; 12 SDR 128, 12 SDR 154, effective July 1, 1986; 17 SDR 141, effective March 25, 1991.

General Authority: SDCL 38-6-8.1.

Law Implemented: SDCL 38-6-3, 38-6-8.

12:07:10:06. Loan decision. Upon receipt of the application and the commission recommendation, the administrator shall take the following action:

(1) Review the application and the commission's recommendations to determine that the application meets the requirements contained in this chapter and that the application and loan are consistent with the purposes and policies established in §12:07:09:02 and SDCL chapter 38-6;

(2) Approve the application as presented, conditionally approve the application subject to modifications or performance of certain actions, or disapprove the application; and

(3) Notify the applicant and commission of the decision in writing within 30 days after the date of receipt of the application. If the decision is to disapprove the application and loan, the administrator shall include the reasons for the decision in the notification.

Source: 12 SDR 117, effective January 19, 1986; 12 SDR 128, 12 SDR 154, effective July 1, 1986; 17 SDR 141, effective March 25, 1991.

General Authority: SDCL 38-6-8.1.

Law Implemented: SDCL 38-6-3, 38-6-8.

12:07:10:07. Loan proceeds. The district shall use the loan proceeds for the purchase of equipment.

Source: 12 SDR 117, effective January 19, 1986; 12 SDR 128, 12 SDR 154, effective July 1, 1986; 17 SDR 141, effective March 25, 1991.

General Authority: SDCL 38-6-8.1.

Law Implemented: SDCL 38-6-3, 38-6-8.

12:07:10:08. Loan amount. The maximum loan amount that can be borrowed by a district is \$100,000. The loan amount may not exceed eighty percent of the purchase value of the equipment.

Source: 12 SDR 117, effective January 19, 1986; 12 SDR 128, 12 SDR 154, effective July 1, 1986; 17 SDR 141, effective March 25, 1991; 45 SDR 31, effective September 13, 2018.

General Authority: SDCL 38-6-8.1.

Law Implemented: SDCL 38-6-3, 38-6-8.

12:07:10:09. Loan repayment. Repayment of the loan shall be based on the purpose of the loan, the type and expected useful life of the equipment, and the loan amount.

Source: 12 SDR 117, effective January 19, 1986; 12 SDR 128, 12 SDR 154, effective July 1, 1986; 17 SDR 141, effective March 25, 1991.

General Authority: SDCL 38-6-8.1.

Law Implemented: SDCL 38-6-3, 38-6-8.

12:07:10:10. Loan maturities. The loan maturity shall be based on the purpose, the type and expected useful life of the equipment, and loan amount. The term may not exceed five years. There is no prepayment penalty.

Source: 12 SDR 117, effective January 19, 1986; 12 SDR 128, 12 SDR 154, effective July 1, 1986; 17 SDR 141, effective March 25, 1991.

General Authority: SDCL 38-6-8.1.

Law Implemented: SDCL 38-6-3, 38-6-8.

12:07:10:11. Interest rates. The interest rate initially established for a loan shall remain constant during the existence of the loan unless otherwise provided in the loan documentation. The interest rate will be established by the secretary at least once annually and shall be based on current market rates.

Source: 12 SDR 117, effective January 19, 1986; 12 SDR 128, 12 SDR 154, effective July 1, 1986; 17 SDR 141, effective March 25, 1991; 19 SDR 93, effective January 1, 1993; 45 SDR 31, effective September 13, 2018.

General Authority: SDCL 38-6-8.1.

Law Implemented: SDCL 38-6-3, 38-6-8.

12:07:10:12. Subsequent loan requests. The administrator shall consider subsequent loan requests by a district according to the following criteria:

- (1) The process as defined in §§ 12:07:10:03 to 12:07:10:06, inclusive;
- (2) The limit in § 12:07:10:08;
- (3) A review of existing loan status and performance; and
- (4) Payoff of the borrower's outstanding loan principal and interest.

Source: 12 SDR 117, effective January 19, 1986; 12 SDR 128, 12 SDR 154, effective July 1, 1986; 17 SDR 141, effective March 25, 1991.

General Authority: SDCL 38-6-8.1.

Law Implemented: SDCL 38-6-3, 38-6-8.

12:07:10:13. Office's responsibilities. The office shall obtain and maintain the documentation of record necessary for the perfection of a security interest.

Source: 12 SDR 117, effective January 19, 1986; 12 SDR 128, 12 SDR 154, effective July 1, 1986; 17 SDR 141, effective March 25, 1991.

General Authority: SDCL 38-6-8.1.

Law Implemented: SDCL 38-6-3, 38-6-8.

12:07:10:14. Borrower's responsibilities. The borrower is responsible for the following:

- (1) Identifying collateral by the following:
 - (a) Year;

- (b) Type;
 - (c) Brand name;
 - (d) Model number; and
 - (e) Serial number;
- (2) Paying fees for the perfection of a security interest;
 - (3) Maintaining financial information and accounting records; and
 - (4) Submitting management reports, financial reports, and accounting records to the office and commission upon request.

Source: 12 SDR 117, effective January 19, 1986; 12 SDR 128, 12 SDR 154, effective July 1, 1986; 17 SDR 141, effective March 25, 1991.

General Authority: SDCL [38-6-8.1](#).

Law Implemented: SDCL [38-6-3](#), [38-6-8](#).

APPENDIX A

SOUTH DAKOTA SOIL CONSERVATION AWARD

NOMINATION FORM
AWARD WINNING SOIL CONSERVATION FARM/RANCH

Name of Nominee: Del Oschner
Mailing Address: 21649 394th Ave
City, State, Zip: Alpena, SD 57312
Conservation District: Beadle Conservation District

Nomination submitted by: Beadle Conservation District
Mailing Address: 1386 Lincoln Ave SW, Ste B
City, State, Zip: Huron, SD 57350
Telephone: 605-352-2998 Ext 3

(Nominator's information intended only for use by the selection committee in case further clarification is needed pertaining to the nomination.)

Which of the following criteria/practices are used by the nominee? (Check all that apply)

- Grassed waterways are installed and maintained properly
- Terraces are installed and maintained properly
- Proper crop rotations are utilized.
- Sufficient crop residues are left to enhance soil stability
- No till is utilized in crop production
- Grasslands are managed for sustainable productivity
- Livestock are managed to limit soil and nutrient runoff (feedlot and riparian buffers)
- Forest lands are managed according to a forest stewardship plan

Based on the above checked items, explain why you feel this nominee is deserving of the award. Use no more than one additional sheet if necessary. Please submit two to eight photographs no larger than 5 X 7, with a brief caption (50 words or less) for each. Digital photos are acceptable.

South Dakota Soil Conservation Award

Del Ochsner is a true steward of the land. He is a long term no-tiller with a diverse crop rotation including small grains, corn, soybeans and cover crops. Del also raises cattle and sheep on well managed and rotated rangeland. He has integrated livestock into crop rotation to manage his whole operation as a system.

Del's operation borders Cain Creek in Beadle County, and because of his management practices, a diverse mixture of wildlife can be found adjacent to the creek.



Above: Del checking on his grazed cover crops



Above: Del checking on cover crop prior to grazing.



Above: Del's corn following small grains and grazed cover crop.



Above: Del's cover crop interseeded into corn.

SOUTH DAKOTA SOIL CONSERVATION AWARD

NOMINATION FORM

AWARD WINNING SOIL CONSERVATION FARM/RANCH

Name of Nominee: Rick & Connie Lalonde

Mailing Address: 22827 473rd Ave.

City, State, Zip: Flandreau, Sd 57028

Conservation District: Moody County

Nomination submitted by: Harvey Shafer

Mailing Address: 202 E 3rd Ave.

City, State, Zip: Flandreau SD 57028

Telephone: 605-997-2949

(Nominator's information intended only for use by the selection committee in case further clarification is needed pertaining to the nomination.)

Which of the following criteria/practices are used by the nominee? (Check all that apply)

 X Grassed waterways are installed and maintained properly

 Terraces are installed and maintained properly

 X Proper crop rotations are utilized

 X Sufficient crop residues are left to enhance soil stability

 X No till is utilized in crop production

 X Grasslands are managed for sustainable productivity

 Livestock are managed to limit soil and nutrient runoff (feedlot and riparian buffers)

 Forest lands managed according to a forest stewardship plan

**APPENDIX A
SOUTH DAKOTA SOIL CONSERVATION AWARD
NOMINATION FORM
AWARD WINNING SOIL CONSERVATION FARM/RANCH**

Name of Nominee: Rick Sando
Mailing Address: 46879 110th St
City, State, Zip: Rosholt, SD 57260
Conservation District: Roberts County

Nomination submitted by: Roberts Conservation District
Mailing Address: 2018 SD Hwy 10 Ste A
City, State, Zip: Sisseton, SD 57262
Telephone: 605-698-3923

(Nominator's information intended only for use by the selection committee in case further clarification is needed pertaining to the nomination.)

Which of the following criteria/practices are used by the nominee? (Check all that apply)

- Grassed waterways are installed and maintained properly
- Terraces are installed and maintained properly
- Proper crop rotations are utilized.
- Sufficient crop residues are left to enhance soil stability
- No till is utilized in crop production
- Grasslands are managed for sustainable productivity
- Livestock are managed to limit soil and nutrient runoff (feedlot and riparian buffers)
- Forest lands are managed according to a forest stewardship plan

Based on the above checked items, explain why you feel this nominee is deserving of the award. Use no more than one additional sheet if necessary. Please submit two to eight photographs no larger than 5 X 7, with a brief caption (50 words or less) for each. Digital photos are acceptable.



March 21, 2019

Roberts Conservation District have nominated Rick and Leann Sando for the South Dakota 2019 Soil Conservation Award for Roberts County. Rick, Leann and their son Isaac with his wife Ranelle has been actively farming in Roberts County for many years.

They utilize proper crop rotations, practice minimum-till, and promote soil health with their grasslands and non-cropland areas managed for wildlife. Through the years, the Sando's have been active participants in NRCS conservation programs that include both Conservation Stewardship Program (CSP) and Conservation Reserve Program (CRP).

For several years, they have planted multi-species cover crops following wheat to improve soil health. Using reduced tillage in a corn, bean, and wheat rotation, they have increased both productivity and organic matter on their cropland thus improving the lands soil health.

Tree and shrub planting have been an important part of the land that they own to include multiple locations of field windbreaks that will serve generations to come to protect sensitive ecosystems on the land. Many plantings include "wildlife friendly" species.

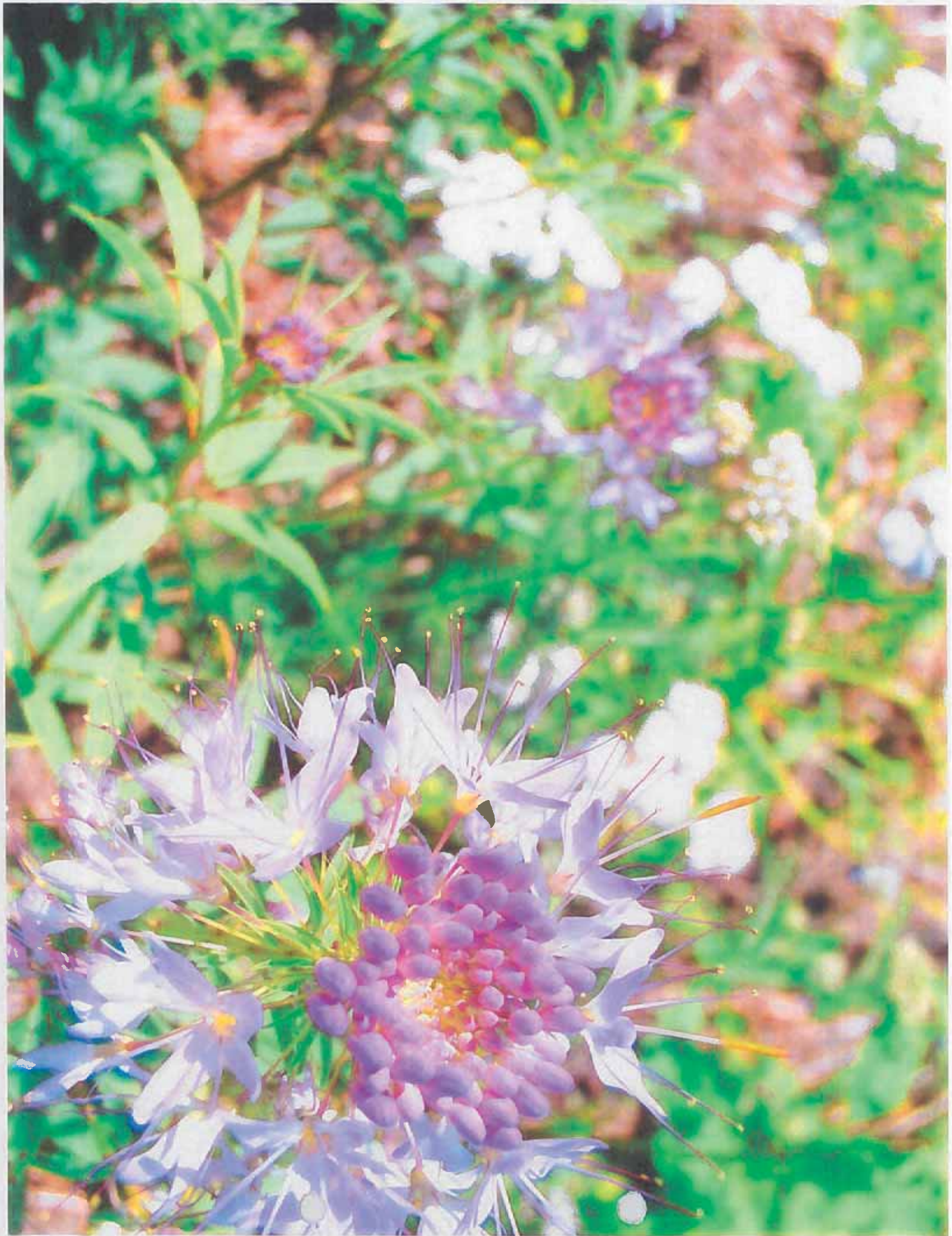
With a wildlife orientated mindset, the Sando's have converted highly sensitive land and wetlands into desirable nesting habitat for both ducks, pheasants and many other species including deer. The use of filter strips also protects adjacent waterbodies as well as providing upland game cover. Pollinators habitat has been established with the help of the Conservation Stewardship Program (CSP) and Conservation Reserve Program (CRP). This too is beneficial not only to honeybees but to many forms of wildlife.

Jodi Hook

A handwritten signature in blue ink that reads "Jodi Hook".

District Manager

Roberts Conservation District







Code of Conduct and Conflict of Interest Policy for Use By State Authority, Board, Commission, and Committee Members

Purpose

The purpose of this code of conduct and conflict of interest policy (“Code”) is to establish a set of minimum ethical principles and guidelines for members of state authorities, boards, commissions, or committees when acting within their official public service capacity. This Code applies to all appointed and elected members of state authorities, boards, commissions, and committees (hereinafter “Boards” and “Board member(s)”). A Board may add provisions to, or modify the provisions of, the Code. However, any change that constitutes a substantive omission from the Code must be approved by the State Board of Internal Control.

Conflict of Interest for Board Members

Board members may be subject to statutory restrictions specific to their Boards found in state and federal laws, rules and regulations. Those restrictions are beyond the scope of this Code. Board members should contact their appointing authority or the attorney for the Board for information regarding restrictions specific to their Board.

General Restrictions on Participation in Board Actions

A conflict of interest exists when a Board member has an interest in a matter that is different from the interest of members of the general public. Examples of circumstances which may create a conflict of interest include a personal or pecuniary interest in the matter or an existing or potential employment relationship with a party involved in the proceeding.

Whether or not a conflict of interest requires a Board member to abstain from participation in an official action of the Board depends upon the type of action involved. A Board’s official actions are administrative, quasi-judicial or quasi-legislative.

A quasi-judicial official action is particular and immediate in effect, such as a review of an application for a license or permit. In order to participate in a quasi-judicial official action of the Board, a Board member must be disinterested and free from actual bias or an unacceptable risk of actual bias. A Board member must abstain from participation in the discussion and vote on a quasi-judicial official action of the Board if a reasonably-minded person could conclude that there is an unacceptable risk that the Board member has prejudged the matter or that the Board member’s interest or relationship creates a potential to influence the member’s impartiality.

A quasi-legislative official action, also referred to as a regulatory action, is general and future in effect. An example is rule-making. If the official action involved is quasi-legislative in nature, the Board member is not required to abstain from participation in the discussion and vote on the action unless it is clear that the member has an unalterably closed mind on matters critical to the disposition of the action.

Administrative actions involve the day-to-day activities of the Board and include personnel, financing, contracting and other management actions. Most of the administrative official actions of a Board are done through the Board's administrative staff. To the extent Board members are involved, the conflict of interest concern most frequently arises in the area of state contracting which is addressed in more detail below. If issues arise that are not directly addressed by this Code, the Board member should consult with the attorney for the Board.

"Official action" means a decision, recommendation, approval, disapproval or other action which involves discretionary authority. A Board member who violates any of these restrictions may be subject to removal from the Board to which the member is appointed.

Contract Restrictions

There are federal and state laws, rules and regulations that address conflict of interest for elected and appointed Board members in the area of contracts. As an initial matter, a Board member may not solicit or accept any gift, favor, reward, or promise of reward, including any promise of future employment, in exchange for recommending, influencing or attempting to influence the award of or the terms of a state contract. This prohibition is absolute and cannot be waived.

Members of certain Boards are required to comply with additional conflict of interest provisions found in SDCL Chapter 3-23 and are required to make an annual disclosure of any contract in which they have or may have an interest or from which they derive a direct benefit. The restrictions apply for one year following the end of the Board member's term. The Boards impacted by these laws are enumerated within SDCL 3-23-10. For more information on these provisions, see the State Authorities/Boards/Commissions page in the Legal Resources section of the Attorney General's website at: <http://atg.sd.gov/legal/opengovernment/authorityboardcommission.aspx>.

Absent a waiver, certain Board members are further prohibited from deriving a direct benefit from a contract with an outside entity if the Board member had substantial involvement in recommending, awarding, or administering the contract or if the Board member supervised another state officer or employee who approved, awarded or administered the contract. With the exception of employment contracts, the foregoing prohibition applies for one year following the end of the Board member's term. However, the foregoing prohibition does not apply to Board members who serve without compensation or who are only paid a per diem. See SDCL 5-18A-17 to 5-18A-17.6. For more information on these restrictions see the Conflict of Interest Waiver Instructions and Form on the South Dakota Bureau of Human Resources website at: <http://bhr.sd.gov/forms/>.

Other federal and state laws, rules and regulations may apply to specific Boards. For general questions regarding the applicability of SDCL Chapter 3-23 or other laws, a Board member may contact the attorney for the Board. However, because the attorney for the Board does not

represent the Board member in his or her individual capacity, a Board member should contact a private attorney if the member has questions as to how the conflict of interest laws apply to the Board member's own interests and contracts.

Consequences of Violations of Conflict of Interest Laws

A contract entered into in violation of conflict of interest laws is voidable and any benefit received by the Board member is subject to disgorgement. In addition, a Board member who violates conflict of interest laws may be removed from the Board and may be subject to criminal prosecution. For example, a Board member may be prosecuted for theft if the member knowingly uses funds or property entrusted to the member in violation of public trust and the use resulted in a direct financial benefit to the member. See SDCL 3-16-7, 5-18A-17.4, and 22-30A-46.

Retaliation for Reporting

A Board cannot dismiss, suspend, demote, decrease the compensation of, or take any other retaliatory action against an employee because the employee reports, in good faith, a violation or suspected violation of a law or rule, an abuse of funds or abuse of authority, a substantial and specific danger to public health or safety, or a direct criminal conflict of interest, unless the report is specifically prohibited by law. SDCL 3-16-9 & 3-16-10.

Board members will not engage in retaliatory treatment of an individual because the individual reports harassment, opposes discrimination, participates in the complaint process, or provides information related to a complaint. See SDCL 20-13-26.

Anti-Harassment/Discrimination Policy

While acting within their official capacity, Board members will not engage in harassment or discriminatory or offensive behavior based on race, color, creed, religion, national origin, sex, pregnancy, age, ancestry, genetic information, disability or any other legally protected status or characteristic.

Harassment includes conduct that creates a hostile work environment for an employee or another Board member. This prohibition against harassment and discrimination also encompasses sexual harassment. Sexual harassment includes unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexually harassing nature, when: (1) submission to or rejection of the harassment is made either explicitly or implicitly the basis of or a condition of employment, appointment, or a favorable or unfavorable action by the Board member; or (2) the harassment has the purpose or effect of unreasonably interfering with an individual's work performance or creating an intimidating, hostile, or offensive working environment.

Harassment or discriminatory or offensive behavior may take different forms and may be verbal, nonverbal, or physical in nature. To aid Board members in identifying inappropriate conduct, the following examples of harassment or discriminatory or offensive behavior are provided:

- Unwelcome physical contact such as kissing, fondling, hugging, or touching;

- Demands for sexual favors; sexual innuendoes, suggestive comments, jokes of a sexual nature, sexist put-downs, or sexual remarks about a person's body; sexual propositions, or persistent unwanted courting;
- Swearing, offensive gestures, or graphic language made because of a person's race, color, religion, national origin, sex, age or disability;
- Slurs, jokes, or derogatory remarks, email, or other communications relating to race, color, religion, national origin, sex, age, or disability; or
- Calendars, posters, pictures, drawings, displays, cartoons, images, lists, e-mails, or computer activity that reflects disparagingly upon race, color, religion, national origin, sex, age or disability.

The above cited examples are not intended to be all-inclusive.

A Board member who is in violation of this policy may be subject to removal from the Board.

Confidential Information

Except as otherwise required by law, Board members shall not disclose confidential information acquired during the course of their official duties. In addition, members are prohibited from the use of confidential information for personal gain.

Reporting of Violations

Any violation of this Code should be reported to the appointing authority for the Board member who is alleged to have violated the Code.

This Code of Conduct and Conflict of Interest Policy was adopted by the State Board of Internal Control pursuant to SDCL § 1-56-6.

INFORMATION DIRECTORY

The following information should be submitted to the entities
as indicated.

INFORMATION REQUESTED	Division of RC&F	County Commission	SDACDE	Area Directors
Annual Work Plan	Yes			
Annual Report	Yes			
Annual Financial Report	Yes	Yes		
Annual Budget		Yes		
Long Range Plans	Yes			
Board Meeting Minutes	Yes		Yes	Yes
District Newsletter	Yes			Yes
Speech Contest Finalists	Yes			
Supervisor Elections	Yes			

Items to Be Sent to Division of RC&F	Due Date
Annual Financial Report	March 1
Annual Work Plan	March 1
Annual Progress Report	March 1
Directory Updates	As Requested
General Election Results	As Requested

South Dakota Department of Agriculture
Kim Vanneman, Secretary
523 East Capitol Avenue
Pierre, SD 57501-3182

Division of Resource Conservation & Forestry

Phone 605-773-3623 Fax -605-773-4003	523 East Capitol Pierre, SD 57501	
Bill Smith, Division Director Kim Paxton, Senior Secretary Doug Haugan, GIS Analysis Rachel Ormseth – Urban Forestry Team Leader Nicole Prince –Grants Administrator Bailey Gullikson, Natural Resources Specialist		bill.smith@state.sd.us Kim.Paxton@state.sd.us doug.haugan@state.sd.us rachel.ormseth@state.sd.us nicole.prince@state.sd.us bailey.gullikson@state.sd.us
Rapid City Office	3305 West South Street Rapid City, SD 57702-8160 (605) 394-2395	
Greg Josten, State Forester/Assistant Director Marcia Tubbs, Senior Secretary/ Web Master Brian Garbisch, Ag Program Administrator John “Parks” Brigman, Rural Forestry Team Leader Joshua Larson, Urban Forester Anthony Seidl, Forest Health Team Leader Marcus Warnke, Natural Resource Planner Vacant, Forest Health Forester / GNA		greg.josten@state.sd.us marcia.tubbs@state.sd.us brian.garbisch@state.sd.us john.brigman@state.sd.us joshua.larson@state.sd.us anthony.seidl@state.sd.us marcus.warnke@state.sd.us vacant
Hot Springs	2202 University Ave. Hot Springs, SD 57747-1802 605-745-5820	
Dave Hettick, Rural Forester		dave.hettick@state.sd.us
Lead	622 Hearst Ave. Lead, SD 57754-1058 605-584-2300	
Allyssa Gregory – Rural Forester		allyssa.gregory@state.sd.us
Mitchell	1315 N Main St Mitchell, SD 57301-4114 605-995-8189	
Nathan Kafer, Agroforester		nathan.kafer@state.sd.us
Watertown	2001 9 th Ave SW, Ste. 500 Watertown, SD 57201 605-882-5367	
Jon Livermore, Urban Forester		jon.livermore@state.sd.us
Sioux Falls	4305 South Louise Ave #107 Sioux Falls, SD 57106-3115 (605) 362-2830	
Rick Mayko, Urban Forester Brian Scott, Nat'l Resources Specialist – (605) 362-2764		rick.mayko@state.sd.us brian.scott@state.sd.us

Big Sioux Nursery
Blaine Martian
16613 Sioux Conifer Road
Watertown, SD 57201
Phone: (605) 886-6806
bsninc@datatruck.com

State Conservation Commission

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Tree Industry

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Huron, SD 57350-2475

Kelly Helper, Secretary
Dept. of Game, Fish & Parks
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Alvaro Garcia, Director, SDSU Extension
Extension Service, SDSU
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Steven M. Pirner, Secretary
DENR
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Miner Co. CD
601 W Farmer Ave
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(605) 772-4542 #3
(605) 480-2410 cell

Vice-Chairperson

Peggy Loomis
Hamlin CD
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Secretary/Treas

Yvette Kirkman
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Jodi Hook
Roberts CD
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Bonnie Schmidt
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Dept. of Agriculture

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523 East Capitol Ave.
Pierre, SD 57501
(605) 773-3624

SDACD

Fran Fritz
21709 413th Ave
Iroquois SD 57353
(605) 599-2355

NRCS

Vacant
1717 N Lincoln Ave
Pierre, SD 57501
(605) 224-2476

2019 SDACD Committees

(** Indicates Advisors)

Natural Resources Stewardship

Duane Schneider Co-Chair
Drew Anderson Co-Chair

District Capacity

Jack Majeres Co-Chair
Dean Odden Co-Chair

Vacant	Prairie Area	Donita Denke	Prairie Area
Calvin Thompson	Coteau Area	Dorene Lemme	Coteau Area
Ellen Reddick	Hills Area	Eldon Helms	Hills Area
Vacant	Northwest Area	Vacant	Northwest Area
Larry Wagner	S James Missouri	Michael Konechne	S James Missouri Area
Darrell Bentz	N Missouri Area	John Weisser	N Missouri Area
Gordon Heber	Vermillion-Big Sioux Area	Darrell DeBoer	Vermillion-Big Sioux Area
**Robin Viestenz	SDACDE	**Yvette Kirkman	SDACDE
**Gene Williams	Cons. Commission	**Mike Konechne	Cons. Comm.
**Gerald Thaden	Cons. Commission	**Aaron Kiesz	Cons. Comm.
**Bill Smith	Dept of Agric. RC&F	**Brian Scott	Dept. of Agric.
**Jeff VanderWilt	USDA-NRCS	**Denise Gauer	USDA-NRCS
**Karl Anderson	USDA-NRCS		

Public Relations

Mark Goldammer Co-Chair
Phil Wilson Co-Chair

Vacant	North Missouri Area
Vacant	Prairie Area
Vacant	Northwest Area
Mark Snedeker	S. James Missouri Area
Tom Martin	Coteau Area
Bob Woerman	Vermillion-Big Sioux Area
** Tonja Jessen	SDACDE
** Charlie Moe	Conservation Commission
** Doug Hansen	Conservation Commission
** Bailey Gullikson	Dept. of Agriculture
** Colette Kessler	USDA-NRCS

Frequently Used Numbers



Final Report 2017-18

JONES COUNTY CONSERVATION DISTRICT
806 WEST FIFTH STREET - PO BOX 298
MURDO, SD 57559
Phone: 605-669-2404 ext. 3

February 18, 2019

SD Department of Agriculture
Division of RC&F
523 East Capitol Avenue
Pierre, SD 57501

RE: Multi Practice Grant V

Dear Conservation Commissioners:

Thank you for awarding this grant to Jones County Conservation District. The grant enabled producers in Jones County and Lyman County to apply beneficial conservation practices to the land.

Summary of this grant: The grant has been utilized by three producers. Installed under this grant were 13,320 feet of pipeline, 1 tank totaling 552 gallons of storage and 3 rural water hookups. The pipeline, tanks, and hookups installed provided grazing utilization, enhances rangeland and increased wildlife benefits on 1,528 acres.

Sincerely,

A handwritten signature in cursive script that reads "Valerie Feddersen".

Valerie Feddersen
District Manager
Jones Co. Cons. Dist.

Summer 2017 Multi Practice Grant 2017-CSW-039 Final Report

There were several conservation practices installed through the assistance of this Conservation Commission Grant. The Grant assisted with Water Development including pipeline, tanks, solar pumping plants, automatic waterers, fence and pond cleanouts. There were some producers scheduled under this grant that did not complete their project within the timeframes of the grant and some producers that decided to utilize funding from another source such as Natural Resource Conservation Service, US Fish and Wildlife Service, Lewis and Clark Watershed Implementation Project, SD Game Fish and Parks. We are thankful that they were able to receive assistance from our partner agencies and it did allow for a few other projects to be funded through the grant. We will be reverting a very small amount of funding that would have been used had it not been for the District imposed cost share limit of \$2000 per project or \$4000 max per producer.

The grant was used to cost share projects for 11 producers including: 4 tanks, 2 fountain waterers, two pond restorations, 18402 feet of pipeline, 12281 feet of fence including 3300 feet of protective fence. These projects will assist to facilitate managed grazing, improve grazing distribution, and benefit riparian areas on over 3000 acres.

Summer 2017 MP Grant						
	Fence(ft.)	Pipeline(ft.)	Anternative Energy Pump	Tank(gal)	Pond (ac.)	Fountain water(#)
Lonnie Dreyer	5671					
Dan Krogman		3080		1297		
RC Partnership					3.4	
Martin Bruce	3300					
Dick Winkler		2302		2824(for 2)		
Scott Flannery		11560				
Bob Fortune		1460				2
Brett Galbraith				708		
Joy Lashley			1			
Elliot Yengin	3310					
Bret Strain					3.5	
Total	12281	18402				

Lawrence County Conservation District

Aspen Regeneration & Restoration Grant (2016 CSW-034) Final Report

The Lawrence County Conservation District Aspen Regeneration and Restoration Grant provided landowners with funds to improve existing aspen stands. Multiple projects were completed as a result of the endeavor. The grant provided benefits beyond the scope that was initially anticipated. It created exposure for other natural resource based programs, State Forestry, and the Conservation District. Most importantly, the funding encouraged private landowners to manage their forest land and created the opportunity for communication and relationships between the Conservation District, State Forestry, and private landowners.

The aspen grant included three practices designed to encourage growth and expansion of existing aspen stands. The first practice involved the removal of slash, conifers, and diseased, damaged, or over-mature aspen trees. The second practice included the mechanical root stimulation of the current stand to suppress auxin production and stimulate growth. The third practice was fencing to prevent browse. The intention of the practices was to remove competition and debris, encourage tree regeneration from the existing root system, and to prevent loss of aspen saplings to ungulates.

4.42 Ac ✓
8 h3 ✓
4669 LF ✓
Fence

The grant provided the community an opportunity to ask questions of resource professionals and funded multiple projects. The grant led to 29 individual landowner site visits which included informal forest recommendations and a multitude of Lawrence County residents asking for more information on aspen trees in the Black Hills. The Aspen Grant funded two complete projects which included the three practices: Sawyer Memorial Park & the Miller Family. The aspen grant funded fencing and conifer removal for one project: the Ayer Family. The aspen grant also provided partial funding for fencing around an aspen stand: the Hehner Family. The Hehner family signed up during the last year of the project and the family plans to complete the work on their own during 2019. The Hehner's dedicated the project in memory of their late brother.

Initially, the response rate from landowners interested and inquiring about the project was slower than anticipated, and South Dakota Resource Conservation & Forestry asked for assistance with an outreach strategy to generate awareness and project implementation. Resource Conservation and Forestry reached out to the Sustaining Family Forest Initiative (SFFI), a partnership that helps natural resource organizations strengthen their knowledge of outreach and marketing so their projects can be more effective. SFFI was able to use their knowledge of outreach and marketing to help RCF and the Conservation District best apply their familiarity with landowners and the area to devise an outreach plan. It took a great deal of effort, but the results of the outreach program and response of landowners was overwhelmingly positive. The success of the outreach campaign produced numerous positive outcomes that were never anticipated when the original grant was proposed.

The aspen grant also provided evidence that mechanical root stimulation (rip lines through root systems) is viable in the Black Hills of South Dakota. The practice of root stimulation of quaking aspen trees has been performed in other states, but the project was a first of its kind in South Dakota and the Black Hills. Aspen regeneration was found beyond current mature stands after

ripping took place. Information collected as a result of the grant may provide insight into future endeavors.

The Aspen Regeneration & Restoration Grant directed several landowners to other programs that emphasize sustainable natural resource management and to tree planting. Because of the grant, 10 requests were made to be added to the State's Forest Stewardship Plan list; two of which have since been completed. Because of the positive promotion generated by the grant, three additional Tree Farms were enrolled in Lawrence and Meade County. Landowners who requested a site visit were provided information on the NRCS programs-EQIP (Environmental Quality Incentives Program) and CSP (Conservation Stewardship Program). The interest generated by the grant provided more exposure for the NRCS programs and led to a three additional applications. The original postcard sent out to potential project participants garnered a great deal of interest towards aspen trees and led to an increase in aspen sapling purchases and planting through the Lawrence County Conservation District.

The aspen grant provided funding for restoration and regeneration practices but also helped to strengthen the communication and relationship between the Lawrence County Conservation District, private landowners, and state forestry. Landowners have called the district and the state requesting forest recommendations, site visits, Forest Stewardship Plans, and general guidance. The promotion of the aspen project as a landscape level change, made possible by private landowners, seemed to intrigue the public and brought many individuals to seek out opportunities to improve their forested lands. The affirmative publicity gathered from the grant's promotion brought about an invaluable interest in forest management throughout the northern Black Hills.

Through the experience gained from the grant process and practices, the district found areas that could be improved to ensure more participation in the future. Fencing was a limiting factor in most projects and for most landowners. Although, the Commission moved to increase the dollar per linear foot of fencing, it only applied to grants originating after the newly set rate. It is safe to assume that the increase in funds for fencing could lead to more projects in the future. The grant practice sheet required a rip line to be established 360 degrees around an aspen stand.

Through multiple site visits it was determined that in most cases, a 360 degree rip line was not feasible due to cliff sides, slate outcrops, gates, and natural bodies of water or springs. A more flexible rip line layout may have led to a greater number of completed projects. One completed project reported an increase in noxious weeds, especially Canada thistle along rip lines. Noxious weeds commonly occur in areas with disturbed soil and it may be beneficial to look into weed treatment options following rip line establishment. Increased fund allocations for fencing and labor as well as flexibility with rip line layout may encourage more landowner participation in future aspen regeneration projects.

The Lawrence County Conservation District Aspen Regeneration and Restoration Grant provided landowners with cost-share for projects and created a unique opportunity for increased interagency collaboration. Outreach from the program allowed for the education and professional forest recommendations for private landowners to encourage sustainable management. Positive feedback from the grant suggests that future attempts would see a similar or increased response from landowners.



Clark

Final Report

Clark County Conservation District

101 Warren Road
Clark SD 57225
605-532-3686 ext. 3
2018 Grant Report

November 20, 2018

SD Department of Agriculture
Division of Resource Conservation & Forestry
4305 S Louise Ave Suite #107
Sioux Falls SD 57106-3116

Dear Brian Scott,

2018 has been a learning year here at Clark County Conservation District. Both Mike Meester and I have been working hard to accomplish as much as we can. Your continued help is much appreciated.

In 2018 we were able to provide 3 producers, totaling 2.02 acres of trees and fabric with \$3446.95 of Grant Cost Share. The producers provided \$4295.33 to complete their projects.

The Conservation Commission Grants are a great resource for funding to producers that may not consider a shelterbelt project if the assistance was not available.

Thank you

Lisa M Paulson

Clark County Conservation District
101 Warren Road
Clark SD 57225
Lisa.paulson2@sd.nacdnet.net (note new e-mail)

RECEIVED

NOV 28 2018

Resource Conservation & Forestry
Sioux Falls Office



200 S Paul Gust RD
Chamberlain, SD 57325
605-734-5953 x3

Date: March 26, 2019

To: Conservation Commission

From: Brule-Buffalo Conservation District

Subject: Summary 2018-CSW-029

The Brule-Buffalo Conservation District has completed the project to assist Landowners to open pastures for grazing systems. The grant was completed using all the dollars allocated.

Roger Campbell, Allan Renner, Carma Muldoon, Pam Reis, and Frank Bailey were participants for the project. I have seven more interested to do work for. There were 97 hours used in this grant.

The commitment of the Landowners shows good stewardship and preservation of conservation.

A handwritten signature in blue ink, appearing to read "Tina DeHaai".

Tina DeHaai
Office Manager

Grant 2017-CSW-023

East Central Rangeland Stewardship Grant

FINAL REPORT

January 1, 2017 through December 31, 2018

The Miner Conservation District's 'East Central Rangeland Stewardship' – Grant #2017-CSW-023 – is now complete. The term of the grant was January 1, 2017 through December 31, 2018.

Water Quality for Livestock is very important to Miner, Kingsbury, Beadle, and Sanborn counties. The livelihood and economy of the entire community is dependent on the livestock producer.

This grant was a huge success mainly due to the many partners involved in this grant project. Partners included: South Dakota Conservation Commission, US Fish & Wildlife Service, SD Game Fish & Parks, Pheasants Forever, NRCS, and Conservation Districts.

15 producers benefited from this grant project. Total acres for managed grazing was 3,203.6 acres for a total of 3,170 animal units. 30,278' of pipeline was installed. 24 tanks were placed on the grazing systems. There were 13 Rural Water Hookups. 2 wells were installed. 3 waterers were installed. Additional funding for partner sources was \$32,801.07.

The Miner, Sanborn, Beadle and Kingsbury Conservation Districts, along with their residents, landowners, and community members, wish to thank the Conservation Commission for their support of this project. We received great public awareness on the importance of water quality for livestock.

Thank you for this Grant! This was a great opportunity to work with partners for 'Good Conservation'.

Sincerely,

Miner Conservation District

2019 Conservation Commission Approved Practices Costs

Practice _{1&3}	Unit	Unit Cost ₂ (specified Max.)
Grass Seeding: (with seedbed prep & operation)		
Seed:		
Tame	Ac.	\$50.00
Native grass mix	Ac.	\$120.00
Native grass/Native Forbs Mix	Ac.	\$245.00
Mulching	Ac.	\$300.00
Grazing management:		
Pipeline:		
Plastic above ground	L.f.	\$1.80
HDPE (below ground)	L.f.	\$2.00
PVC up to 1 1/4"	L.f.	\$2.70
PVC 1 1/2" to 2" (below ground)	L.f.	\$3.10/\$3.60
PVC 3" (below ground)	L.f.	\$4.10
Tanks:		
Freeze-proof with base	Gal.	\$2.15
Steel rim w/flex. bottom	Gal.	\$0.69
Standard tank installation w/base	Gal.	\$1.60
Fountain type water tanks	Ea.	case-by-case
Pasture pumps (nose pumps)	Ea.	\$670.00
Alternative energy pumps	Ea.	case-by-case
Rural water hookups	Ea.	\$3,500.00
Dugout construction ₄	Ea.	\$3,500.00
Dam construction or repair	Surf Ac.	\$3,000.00
Wells- Steel or copper/plastic	L.f.	\$ 36.00/\$22.00
Fencing:		
electric	L.f.	\$0.63
barbed wire	L.f.	\$1.06
Specialized protective fence	L.f.	\$0.15 additional
Temporary fence	L.f.	\$0.10
Seeding (see grass seeding rates)		
Brush Control:		
Mechanical	Hr.	\$150.00 not to exceed 30 hrs/landowner
Tree planting:		
Site prep. (tilled/non-tilled areas)	Ac.	\$25.00/\$50.00
Shrubs & planting:	Rod	\$5.50
Trees & planting:	Rod	\$5.00
Handplants (bareroot/container)	Each	\$2.00/3.75
Weed & pest control: ₅		
Fabric weed barrier & installation	L.f.	\$0.61
Fabric squares and staple	Each	\$2.50
Chemical/Mechanical	Ac.	\$50/200
Tree protectors (with stake)	Each	\$6.50

Practice _{1&3}	Unit	Unit Cost ₂ (specified Max.)
Soil Health:		
Cover Crop (inc. seedbed prep. & operation)	Ac.	\$28.16 not to exceed 160 Ac. per land operator (first time user) and for one time per land unit
General Water Quality:		
Abandoned well sealing	Each	\$500.00
Shelterbelt renovation:		
Sod control, chem. & mechanical	Ac.	\$200.00
With dead tree removal (above grd.)	Ac.	\$2,800.00
With dead tree removal (incl. roots)	Ac.	\$6,100.00
Fabricated Windbreak:		
	L.f.	\$16.62
Earthwork & Erosion Control:		
w/dragline	Cu. Yd.	\$2.00
Excavation	Cu. Yd.	\$1.78
Excavation	Hr.	\$175.00
Class S Earthfill	Cu. Yd.	\$2.08
Diversions/water retention/water spreading (for erosion control)		
0-2% slope .27 cu.yd./ft	L.f.	\$0.60
2-4% slope .34 cu.yd./ft	L.f.	\$0.97
4-6% slope .44 cu.yd./ft	L.f.	\$1.42
Terracing	L.f.	\$2.10
Waterway (<25 ft/>25 ft)	L.f.	\$2.10/2.90
Grade/Shoreline stabilization:		
Rock riprap	Cu. Yd.	\$50.00
Rock filled wire baskets	Cu. Yd.	\$200.00
Livestock crossing (rock & gravel)	Sq. Ft.	\$2.50
Straw bales	Ea.	\$1.50
Willow planting	Ea.	\$0.20
Animal nutrient systems:₆		
Engineering	Ea.	\$15,000.00
Construction (see earthwork)	Animal Unit	\$100.00
Monosloped/hoop barn waste sys		
Technical Assistance:		
I & E		(Case-by-Case Basis)
Forest Stand Improvement:		
Thinning	Ac.	\$450
Slash Disposal	Ac.	\$200
Mechanical Root Stimulation	Hr.	\$175.00
Wildlife Exclusion Fencing	L.f.	\$1.80

* Conservation Commission cost-share is not to be used to replace other available cost-share

* Landowner labor can be counted as in-kind match only at a rate of \$25.00 per hour for installation of approved practices. Landowner use of equipment can also be counted as in-kind match towards the local match requirements.

1. All practices must meet state & local ordinances (such as distance from roadway to prevent excessive snow deposition, power-line & other right-of-way standards, etc).
2. Payment based on actual bills/receipts submitted by the producer. Cost-share paid on legitimate costs up to the specified maximum.
3. All cost-shared practices require a Resource Management Plan (practice plan).
4. Clean outs on dugouts not cost-shared within the expected lifespan of the practice.
5. Payment will be made on either fabric or chemical/mechanical weed & pest control for tree plantings but not both on an individual site.
6. Monoslope/hoop barn must be replacing an existing animal feeding operation and the existing lots must be abandoned and reclaimed.

Bill Smith
 Bill Smith, Division Director 2-22-19 Date

Douglas Hansen
 Douglas Hansen, Chairman 02/18/2019 Date

2019 Conservation Commission Cost-share Percentages

Practice ^{1,2,3}	Max. Cost-share for this purpose/location	Minimum Landowner Cash ₂
Grass Seeding:		
Seed	Wildfire rehabilitation 50%	----- 25%
Mulching	Riparian Protection 50%	----- 25%
	Critical Area 50%	-----25%
	Waterway 50%	-----25%
	General livestock needs: 30%	
Grazing management:		
Pipeline	Practices used for:	
Tanks & wells	- riparian protection: 50%	----- 25%
Pasture pumps	- general livestock needs: 30%	----- 25%
Fencing		
Dugouts ⁴ or dams	Exclusion fencing for upland shelterbelt protection: 20%	----- 25%
Seeding		
Rural water hook-ups (livestock portion only)		
Solar power		
Brush Control		
Mechanical	----- 50%	----- 25%
General Water Quality:		
Abandoned Well Sealing	----- 30%	----- 25%
Tree planting:		
Site preparation	----- 40%	----- 25%
Shrubs & planting	----- 50%	----- 25%
Trees & planting	----- 50%	----- 25%
Weed & pest control: ⁵		
Fabric weed barrier & install	----- 50%	----- 25%
Fabric squares and staple	----- 50%	----- 25%
Chemical/Mechanical	----- 40%	----- 25%
Tree protectors	----- 50%	----- 25%

Practice ^{1,2,3}	Max. Cost-share for this purpose/location	Minimum Landowner Cash ₂
Soil Health:		
Cover Crop	----- 50%	----- 25%
Shelterbelt renovation:		
	Sod control, chem. & mechanical 40%	----- 25%
	With dead tree removal (above ground) 40%	----- 25%
	With dead tree removal (incl. roots) 25%	----- 25%
Fabricated Windbreak:		
	Animal health 40%	----- 25%
	Riparian protection 50%	----- 25%
Earthwork Erosion Control:		
Excavation	Waterway 50%	----- 25%
	Gully stabilization 50%	----- 25%
	Terracing 50%	----- 25%
	Diversions/water retention/water spreading (erosion control) 50%	----- 25%
	Animal nutrient system 50%	----- 25%
Grade/Shoreline stabilization:		
Rock riprap	Lakes/streams/creeks 40%	----- 25%
Rock filled wire baskets	Fire rehabilitation 50%	----- 25%
Straw bales		
Livestock crossing		
Animal Nutrient Systems:⁶		
Engineering	----- 50%	----- 25%
Construction (see earthwork)		
Monosloped/hoop barn waste sys	----- 50%	----- 25%
Technical Assistance I & E	(Case-by-case basis with other local match)	NA
Forest Stand Improvement:⁷	50%	----- 25%

- All practices must meet state & local ordinances (roadway snow deposition, power-line & other right-of-way standards, etc).
- Required cash contribution by the landowner. This cannot be covered by in-kind contribution or paid by other local, state or federal cash funds. Any additional cash available for the project, should be used to reduce the Conservation Commission's share, not that of the landowner.
- All cost-shared practices require a Resource Management Plan (practice plan).
- Clean outs on dugouts not cost-shared within the expected lifespan of the practice.
- Payment will be made on either fabric or chemical/mechanical weed & pest control for tree plantings but not both on an individual site.
- Monoslope/hoop barn must be replacing an existing animal feeding operation and the existing lots must be abandoned and reclaimed.
- Landowner labor can be used to meet the minimum landowner cash match requirements for Forest Stand Improvement projects.

Bill Smith
 Bill Smith, Division Director

Douglas R. Hansen
 Douglas Hansen, Chairman

Date

Date