



The Roseau SWCD is located kitty-corner to the courthouse.

Our address is 502 7th St SW, Suite 5.

Our phone number is 218-463-1903.

CONSERVATION CONNECTION

Roseau County SWCD Newsletter

Spring 2021

Caring for Your Trees

Too busy to plant your trees right away? Maybe it rained too much or the ground still needs to be prepared? This may not be too bad for some tree species that need a little “sweating” before planting (see below). Heeling in trees is a good option if planting is several weeks away. Cold storage is another option. The best cold storage is 40° F to prevent breaking dormancy. Short-term storage (unheated basement, garage, shed, etc) 40- 60° F for a week is also acceptable. Potted trees are much more forgiving, but you may want consider repotting the tree into a larger container if planting will not take place for several months or into the next year. Potted trees can become root bound resulting in stunting and eventual killing off.

Planting Potted Trees

Dig a hole that is three to four times as wide as the container. The sides should slope like a saucer.

Trees in pots may become root bound. Before planting rough up the root or cut an X on the bottom and 4 vertical slices along the sides with a sharp knife. These cuts should be about 1 inch deep.

Place the tree in the middle of the hole and spread the roots without removing too much of the soil surrounding the roots. Adjust for trees that have not been centralized in the pot.

Heeling-In Bare-Root Stock

If planting is still several weeks away, a great way to keep your bare-roots trees (especially conifer) alive, is to use the heel-in method. Dig a v-shaped trench in a shady spot. Open your bundle of trees and spread the roots evenly on one side of the trench. Cover the roots with soil and make sure that there are no air pockets in the roots by tamping down. Water them well.

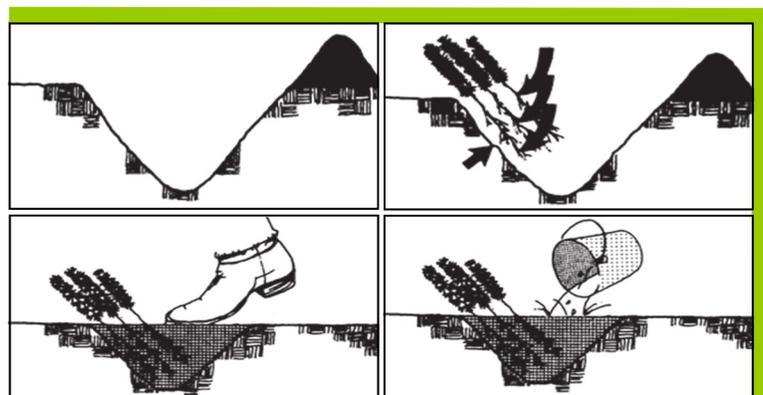
Sweating Trees to Break Dormancy

Trees that need sweating before planting include maple, juneberry, birch, cotoneaster, ash, crab, crabapple, oak, mountain ash, lilac, and weeping willow. Sweating helps break dormancy created by a winter of cold storage and promotes best survival in the field.

To sweat the stock, set your box of trees in a warmer place, such as inside a building, but not in direct sunlight, until the buds start to swell. This method usually takes just a few days. Make sure roots are kept moist.

Another way is placing the trees upright in a bucket of water. This works quite well and takes up less space than a box.

It is important that sweating doesn't begin until planting conditions are also warm and moist. Planting sweated stock into subfreezing or very dry conditions will defeat the purpose.



Buffer Cost-Share Program

As a reminder to landowners or operators who have signed up for buffer cost-share, please notify our office when the installation is complete so that we may promptly process your payment.

Cost-share for buffers are a flat rate \$200/ ac for introduced perennial vegetation or \$300 per ac for native vegetation. Side-water inlet (SWI) cost-share is 75%. Remember to submit an invoice for your labor/equipment besides the materials for the SWI cost-share.



SWCD

Supervisors

JOHN GAUKERUD
JAN MILLER
LONDON OLSON
JADE ESTLING
DISTRICT 2 VACANCY

District Staff

SCOTT JOHNSON—MANAGER;
JANINE LOVOLD—TECHNICIAN / WATER PLANNER
SHONDA JELLE— ADMINISTRATIVE ASSISTANT

502 7th St SW, Ste 5, Roseau, MN 56751
218.463.1903
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NRCS

Ph.218.463.1862 ext 3
KATHY FILLMORE—TEAM LEAD
BONNIE HASBROUCK—SOIL CONSERV. TECHNICIAN
ZAC ROWATT—SINEW CLERK

FSA

Ph.218.463.2452 ext 2
Ph.218.463.1862 ext 2
DUSTIN SPAETH—CED

Practices with Financial Assistance

- 50% for field windbreaks—wind erosion requirement (State Cost-Share Program)
- 50% for side-water inlets (based on engineer's estimate) (State Cost-Share Program)
- 50% for streambank stabilization (based on engineer's estimate) (State Cost-Share Program)
- 50% for well sealing with a cap of \$500 (Local Water Management Grant)

Stewardship Week

Stewardship week is April 25 through May 2, 2021.

10 Ways Forests Make Us Better

1. Improve attention
2. Decrease asthma
3. Decrease obesity
4. Improve physical health
5. Improve mental health
6. Protection from UV radiation
7. Reduce noise
8. Reduce traffic accidents
9. Reduce violence
10. Improve neighborhoods

- Courtesy WIDNR



2021 ROSEAU SWCD TREE ORDER FORM

502 7th Street SW, Ste 5, Roseau, MN 56751 PHONE: 218-463-1903

GTO # _____

Date _____

Name _____

Phone _____

Email for tree notification only, please print **CLEARLY**

Address _____

City _____ ZIP _____

Prefer Text Notification Check Here _____

Orders under \$100 require payment in full. Orders over \$100 require a minimum of 50% down payment. Balance is due at time of pickup. NO CANCELLATIONS after February 1. Specially ordered trees CANNOT be cancelled. All Federal and State funded program trees require 50% down payment at the time of order or within first billing cycle. All phone orders will need 50% deposit or payment in full before order is accepted. The Roseau Co SWCD accepts NO responsibility with regards to survival of planting stock or provisions for replacements. We reserve the right to substitute trees/size if the trees/size listed are not available and the right to cancel due to availability. Finance charges will be assessed on a monthly basis for accounts with zero payment activity. Daily storage fees begin after the last scheduled pickup day.

Call for availability.

1 bundle = 25 trees

SHRUBS	≈ Size	Maturity	Price per bundle	#Bundles	Cost
COTONEASTER	18-24"	18-24"	\$40	_____	_____
DOGWOOD, Redosier	18-24"	up to 10'	\$40	_____	_____
LILAC, Common	18-24"	8-12'	\$40	_____	_____
LILAC, Villosa	18-24"	6-10'	\$40	_____	_____
MAPLE, Amur (ginnala)	18-24"	15-20'	\$40	_____	_____
WILLOW, Flame	12-18"	up to 20'	\$40	_____	_____

TREES	≈ Size	Maturity	Price per bundle	#Bundles	Cost
ASH, Green	18-24"	35-65'	\$40	_____	_____
BIRCH, Paper	18-24"	50-70'	\$40	_____	_____
CHERRY, Black	18-24"	50-75'	\$40	_____	_____
CHOKECHERRY, Common	18-24"	20-30'	\$40	_____	_____
COTTONWOOD, Male	2-3'	75-100+	\$40	_____	_____
CRAB, Red Splendor	12-18"	10-25'	\$40	_____	_____
JUNEBERRY	18-24"	6-15'	\$40	_____	_____
MAPLE, Autumn Blaze	4-5'	Up to 50'	\$30/tree	_____	_____
MAPLE, Autumn Blaze	5-6'	Up to 50'	\$50/tree	_____	_____
MAPLE, Red	2-3'	50-70'	\$40	_____	_____
MAPLE, Silver	2-3'	60-90+	\$40	_____	_____
OAK, Bur	18-24"	70-80'	\$40	_____	_____
OAK, Northern Red	2-3'	60-80'+	\$40	_____	_____
POPLAR, Hybrid	8-18"	40-60'	\$40	_____	_____
PLUM, American	18-24"	8-10'	\$40	_____	_____
WALNUT, Black	9-12"	70-80'	\$40	_____	_____
WILLOW, Laurel Leaf	2-3'	25-40'	\$40	_____	_____

CONIFERS	≈ Size	Maturity	Price per bundle	#Bundles	Cost
CEDAR, Eastern Red	8-15"	30-45'	\$40	_____	_____
FIR, Balsam	8-15"	40-60'	\$40	_____	_____
JUNIPER, Rocky Mtn	8-15"	15-25'	\$40	_____	_____
PINE, Jack	8-15"	30-80'	\$40	_____	_____
PINE, Norway (Red)	8-15"	50-80'+	\$40	_____	_____
PINE, White	8-15"	80-100+	\$40	_____	_____
SPRUCE, Black Hills	8-15"	30-60'	\$40	_____	_____
SPRUCE, Colorado Blue	8-15"	50-100'+	\$40	_____	_____
SPRUCE, White	8-15"	40-80'	\$40	_____	_____
SPRUCE, Meyer	8-15"	30-40'	\$40	_____	_____
TAMARACK	8-15"	50-75'	\$40	_____	_____

POTTED	≈ Size	Maturity	Price per pot	#Pots	Cost
Black Hills Spruce	18-24"	30-60'	\$17.50	_____	_____
Colorado Blue Spruce	24-30"	50-100'+	\$17.50	_____	_____
White Cedar	18-24"	40-50'	\$15	_____	_____
White Spruce	18-24"	40-80'	\$15	_____	_____

SUPPLIES		# Items	Cost
100 flags - 30" pink	bundle		\$13
Terra-Sorb™	1/4 lb. pkg		\$5
Terra-Sorb™	1 lb. pkg		\$15
Premixed Plantskydd®	1 qrt		\$22.50
Plantskydd® deer repellent	1 lb box		\$30
Plantskydd® deer repellent	2.2 lb box		\$50
Granular Plantskydd®	1 lb cylinder		\$12
Granular Plantskydd®	3 lb bag		\$27.50
Tree Tubes	48" Tube		\$3.50

If a tree or shrub is not listed,
we can't get it or we are sold out.

****We accept credit cards****

Make checks payable to Roseau SWCD

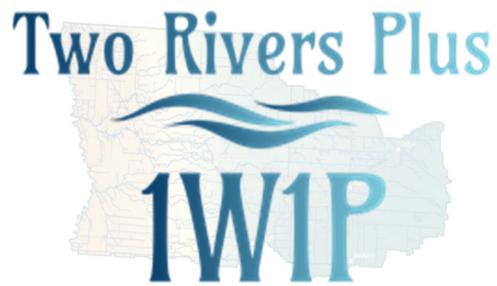
**Call to confirm trees are still
available before mailing order.**

Subtotal _____

Signature _____

Sales Tax 6.875% _____

TOTAL _____



www.tworiversplus1w1p.org

Since 2018, the Two Rivers Plus, One Watershed One Plan has been in the development process. This Plan provides a framework for local efforts to manage, restore, and protect water and natural resources within the Two Rivers Plus watershed for the next 10 years.

The draft Plan is currently in the formal review process and the public is invited to comment. A Public Hearing has tentatively been scheduled for May 3. A final version will be available in late 2021 after the plan is approved by the state and is adopted by Kittson and Roseau Counties, Kittson and Roseau SWCD's, and Two Rivers Watershed District.



Lake Bronson

The draft Plan may be viewed or downloaded at the link provided below.

www.tworiversplus1w1p.org/building-the-plan



LAKE OF THE WOODS WATERSHED

Joint Powers Board

The Lake of the Woods Watershed Joint Powers Board (JPB) is a newly formed governmental unit, established on December 27, 2019 for watershed plan implementation. JPB official associates include elected and appointed officials of Lake of the Woods and Roseau Counties, their respective Soil and Water Conservation Districts, and the Warroad River Watershed District.

The JPB will also be working with other governmental and non-governmental partners to help carry out certain plan activities. The comprehensive watershed management plan, which took about three years to develop, was officially adopted by all five partners prior to JPB establishment.



Lake of the Woods

The 10-year Plan along with may be viewed or downloaded directly from their website homepage. An e-pamphlet is also available for viewing. The pamphlet gives a quick summary about the Plan, the partners, and the current programs and projects being worked on.

Visit low1w1p.org for more information.

2020 Rainfall

Township	April	May	June	July	Aug	Sept	Oct
America—Cole	1.46	1.42	3.79	4.63	2.84	1.67	1.69
Barnett—Vacura	1.48	0.98	6.17	6.95	2.63	0.76	1.09
Beaver—Grugal	1.23	1.41	5.13	5.47	2.95	0.57	1.09
Cedarbend—Olson	0.92	1.69	4.13	5.12	2.52	1.97	
Clear River—Brandli	1.35	1.48	3.81	4.34	2.19	1.50	1.92
Deer—	Interested in measuring rainfall for Deer Twp? Contact us!						
Dewey—Gustafson	0.98	0.71	9.82	8.79	3.78	0.45	1.65
Dieter—Braaten	1.19	7.07	6.75	2.33			
Enstrom—Santl Farms	1.06	1.49	3.81	6.16	2.56	0.78	1.18
Falun—Johnson	1.23	1.57	3.71	6.19	2.75	1.00	
Golden Valley—Zimdars	1.53	1.50	4.22	6.92	2.14	0.72	0.94
Grimstad—Whitt	1.77	1.23	5.36	5.50	2.74	0.74	1.10
Hereim—Evans	2.48	1.20	13.75				
Huss—Wiskow	1.39	1.42	5.22	7.00	3.21	0.70	0.91
Jadis—Grafstrom		1.56	6.29	8.23	2.30	0.77	1.23
N. Jadis Addn—Customs		1.32	5.47	7.65	1.87	0.81	1.40
Juneberry—Sikorski		1.53	9.83	5.33	2.53		
Lake—Wennerstrand	1.67	1.46	3.73	5.04	2.34	1.28	2.26
Laona—Estling	1.14	1.21	3.48	3.58	1.39	0.99	1.60
Lind—	Interested in measuring rainfall for Lind Twp? Contact us!						
Malung—Sandstrom	1.32	1.37	3.70	6.10	2.54	0.78	1.06
Mickinock—Carlson	1.34	1.34	5.39	5.13	2.85	1.35	
Moose—Haugen	2.78	1.32	11.72	9.05	2.63	1.75	1.96
Moose—	Interested in measuring rainfall for Moose Twp? Contact us!						
Moranville—Knudson	1.24	1.70	4.36	3.25	2.28	0.85	1.72
Nereson—Heggedal	1.29	1.18	5.78	5.71			
Palmville—Oslund							
Pohlitz—Roseau WMA	1.66	0.99	6.42	6.40	2.02	0.72	1.11
Polonia—Gryskiewicz		0.85	7.08	8.51	2.81	0.84	1.06
Poplar Grove—Gust	0.66	0.93	4.67	5.45	2.45	0.71	0.72
Reine—Dole	1.26	0.91	5.42	5.05	2.53	1.71	1.10
Ross—Magnusson			6.66	8.04	2.04	0.73	0.93
Skagen—Emery	1.69	0.81	8.64	7.36	1.99	0.99	0.82
Skagen—	Interested in measuring rainfall for Skagen Twp? Contact us!						
Soler—Christianson	0.71	1.08	9.25	7.75	2.91	0.85	0.74
Spruce—Johnson	0.83	1.21	3.72	7.23	1.93	0.72	1.69
Stafford—Dahlgren	0.62	1.41	4.20	5.45	1.79	0.86	1.06
Stokes—Gaukerud	0.94	0.97	8.92	3.51	2.22	0.96	0.96
Stokes—Monsrud	1.46	1.09	5.92	7.40	2.49	0.85	.43
Warroad—Bitzer		1.48	3.96	4.76	2.62	1.04	1.63

Weather Facts

- * The naming of hurricanes and tropical storms officially began in 1953.
- * The wind doesn't make a sound until it blows against an object.
- * At any given time, on average there are about 1800 thunderstorms occurring on Earth with 100 lightning strikes per second.
- * For each minute of the day, over 1.1 billion tons of rain falls on the Earth.
- * A molecule of water will stay in the Earth's atmosphere for an average duration of 10-12 days.
- * The fastest speed a falling raindrop can hit you is 18 mph.
- * It was so cold in 1684 that the Thames River in England froze solid for two months
- * 9 out of 10 lightings strike land rather than water.
- * Mawsynram in Meghalaya, India is the wettest place on Earth with an annual rainfall of more than 36 feet.
- * Highest Temperature Recorded on Earth is 134°F at Greenland Ranch in Death Valley, CA, on July 10, 1913.
- * Lowest Temperature Recorded on Earth is -128.5°F at Vostok, Antarctica on July 21, 1983.
- * A cubic mile of ordinary fog contains less than a gallon of water.
- * In 1899, it was so cold that the Mississippi river froze over its entire length.
- * The air located around a lightning bolt is heated to around 54,032°F. This is 5 times hotter than the surface of the sun.
- * The average width of a tornado's funnel averages about 100 to 200 yards, but it may be as wide as a mile.
- * Snowflakes falling at 2-4 mph can take up to 1 hour to reach the ground.
- * Commonwealth Bay, Antarctica is the windiest place on Earth with winds of 200 mph being recorded.

Spiny Water Flea

Spiny water fleas are tiny invasive zooplankton that are voracious predators. They disrupt lake food webs and reduce the growth rates of walleye and perch. Once introduced to a new lake, there are NO ways to control or eliminate them.

Chances are you have seen this water flea on your fishing line when fishing Lake of the Woods. The spiny water flea has been found in 50 inland Minnesota lakes.

Spiny water fleas accumulate on fishing gear and can survive in residual water in livewells, bait buckets, and the bottom of canoes.

Wiping down and drying gear before moving between lakes is critical to preventing the spread of this invasive species.

Spiny water fleas are highly susceptible to drying out. So clean, drain, and DRY is of utmost importance with this species. In dry, summertime conditions, eggs and adults will die if let dry for about 6 hours. For best control, dry equipment for 24 hours. Humid or cool wet conditions may lengthen the drying time longer than the recommended 24 hours.

Learn more at StopSpiny.org



MINNESOTA AQUATIC INVASIVE
SPECIES RESEARCH CENTER

STOP THE SPREAD of spiny water fleas by:

Draining and allowing your boat and equipment to dry between uses



Draining and wiping livewells



Wiping fishing lines and reels



Draining and wiping bait buckets



Allow cloth to dry between uses.

USDA—NRCS Corner

New Employees at the Roseau NRCS, USDA

Zack Rowatt



My name is Zack Rowatt and I find myself in Roseau via many paths and places, originally from Normal, Illinois. Since graduating with a degree in geology, I have worked with environmental agencies in three different states and three very different environments on both public and private lands. In my free time I enjoy depicting the environment around me with chalk pastels, writing, reading, and exploring new places. While I arrived in Roseau during October of 2020, I greatly look forward to continuing to learn about the people and the land that the NRCS serves.

Erik Endacott



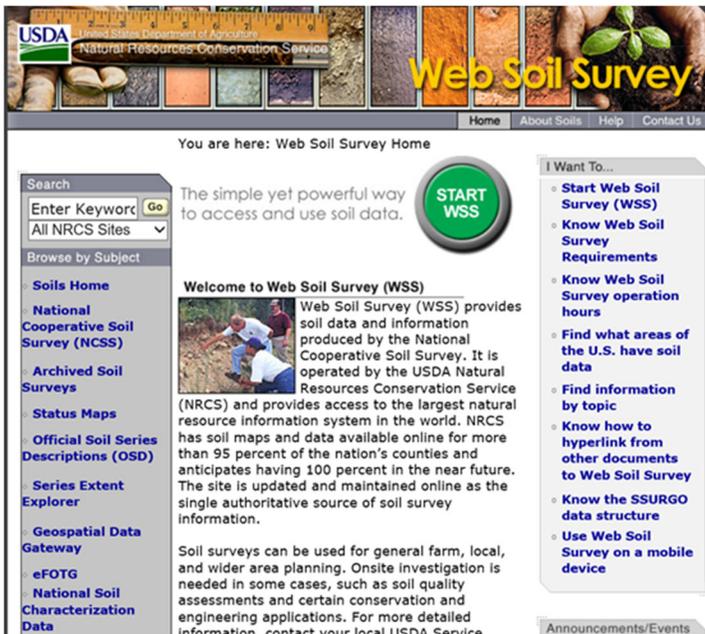
My name is Erik Endacott and I'm from Fallon, Nevada. My first day of work was February 16th, 2021. Since graduating from Iowa State University in 2018, I have had various blue-collar jobs across the West Coast and I recently returned from Peace Corps Senegal. My hobbies include backpacking, snow cave camping, and archery. I am excited to join the NRCS team!

CALLING ROSEAU COUNTY LIVESTOCK PRODUCERS!

Roseau County has potential funding for setting up Prescribed Grazing Plans through the EQIP (Environmental Quality Incentives Program). Funding can include watering systems, fencing, pasture planting and a three-year prescribed grazing payment upon completion of set up of practices. Your local NRCS office is taking applications for the 2022 crop year. Give them a call to fill out an application and see if you qualify. For those already involved in the EQIP program you maybe eligible for funding to expand your grazing project or create another one.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Roseau County SWCD
502 7th St SW, Ste 5
Roseau, MN 56751



Web Soil Survey

This is just a reminder that landowners can access their soil types online through the Web Soil Survey. The website has step-by-step instructions to help you locate your land, find soils, farming, building information and much more.

Go to:

<https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>

ORDER YOUR 2022 TREES THIS FALL

For 2022 spring season, please contact us in September and October of 2021 — especially if you need trees for CSP practices.