



# Conservation Circular

Marshall County Conservation District—PO Box 8—505 Vander Horck, Britton, SD 57430

2024 Fall Issue

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<https://www.sdconservation.org/marshallcd>

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LIVESTOCK WATER



CROP ROTATIONS



COVER CROPS

The Britton NRCS office would like to remind everyone that the Conservation Stewardship Program (CSP) and Environmental Quality Incentives Program (EQIP) **applications are due November 1<sup>st</sup>, 2024**. Both programs can help alleviate risks by providing producers an incentive to try something new and implement a conservation practice they currently aren't using by receiving financial and technical assistance. Agricultural producers have increased opportunity for funding in FY'25 as SD is expected to have significant increases in EQIP and CSP funding through the Inflation Reduction Act (IRA) in addition to general Farm Bill allocations. The IRA funding is intended for the implementation of carbon and nitrous oxide reducing activities. Common practices for these activities include diversified crop rotations, reduced tillage, cover crops, prescribed grazing, grass seedings, tree plantings, brush management, nutrient management as well as other practices that support carbon, and nitrous oxide reduction.

CSP is a whole-farm program which helps producers take their existing conservation practices to new heights by adding additional practices, such as cover crops. Or if you already implement cover crops, an enhancement for a multi-species cover crop might further improve your soil health. "These new practices will help enhance natural resources and improve the operation." CSP contracts are 5 years in length.

EQIP on the other hand, allows a producer to implement one single practice such as rotational grazing, to address a particular resource concern. Your local NRCS will visit you at your operation; evaluate your current management practices and provide advice via technical assistance and financial assistance to implement the activity(s) you've chosen to best fit your needs. EQIP contracts are less than 10 years and vary depending on your needs/goals.

Conservation Stewardship Program *Is CSP Right for Me* [is-csp-right-for-me-11062023.pdf \(usda.gov\)](#)

Environmental Quality Incentives Program (EQIP) *Is EQIP Right for Me*" [Environmental Quality Incentives Program](#)

PLAN YOUR TREE PLANTING  
CALL SOON FOR COST SHARE

**Grant Cost Share**

**Dugout Cleanouts**

**Solar Pumps w/ Tanks**

**Contact Conservation District**

**for an application**

**Grant Expires 6/30/2025**

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*Equal Opportunity Employers*



# TREE HEALTH

by Dr. John Ball

More from John Ball at <https://extension.sdstate.edu/tree-pest-alert>.

## WATER WATER WATER!

The desiccation injury we saw on birches, maples, and spruce this spring was due to the trees going into the winter with a water deficit. So if you are able ...let the hose run for a long time and get some water to your trees!

## Winter Is On the Way...

### Wrapping Tree Trunks For Winter— By Dr. Ball

As the temperatures cool in the next few weeks, it may be time to start wrapping young thin-barked trees, such as maples, to protect them from animals. Rabbits and voles like to chew on the tender bark and a barrier can reduce or prevent this injury. Better than wrapping the trunk is placing a drain tile around the trunk (slit the tube and then fit around the trunk). There should be an air gap between the trunk and the tile. The tile should be flush with the soils and extend up four or five feet. Not only will this tile protect the trunk from browsing, but it can also protect young maples from “southwest disease.” This disorder is common on young trees with smooth bark, i.e., Freeman, red and silver maples, as they have fewer cork cells which provide the insulations. The mature tree bark is thicker and has more cork than young trees. The thicker bark protects the trunk from rapid temperature changes. The name southwest disease comes from the occurrence of bark cracks or splits mostly on the southwest side of the tree. The winter sun, which is lower on the horizon, causes the bark to warm above the surrounding air temperatures. But once the sun sets, the bark temperature can rapidly drop to the air temperature and the change from the exterior to the interior of the bark can cause it to split.

## WHY is MY LILAC BLOOMING?



There are a few lilacs, magnolias and mockoranges starting to bloom. This is remontant blooming, blooming twice in the same growing season. It occurs when a few flower buds confuse late summer with late spring and start to open prematurely. Spring flowering trees & shrubs set their flower buds in the summer the year before they bloom. This way they are ready to flower the following spring. “But all it takes is a little stress, such as moisture stress and add a little rain or cooler temperatures and plants will begin to flower. It will not harm them.

## Treatments to Begin Now

- **Mulching ornamental trees** to keep soil warmer longer into fall and also keep winter soil temps from dropping too low that can kill tree roots.

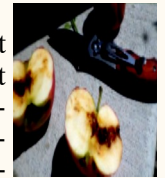


## Treatment for Pine Wilt disease

- is cutting down the tree and burning the wood. **DO NOT PILE IT!** Pine Wilt disease only attacks the exotic pines. Our ponderosa pines are tolerant of the disease while Scotch and Austrian Pines are highly susceptible to the infection



- **Raking of any infested** fallen apple fruit under your trees. This will help prevent apples diseases next spring with the codling moth. Insecticidal sprays can be applied in the spring as the apples are beginning to form. Do not spray while the trees are in bloom.
- The spruce spider mite is a cool season mite, so it is not active nor effectively treated during hot weather. **However, the time is within the next few weeks.** The mites cause the damage in spring or fall but we see the bronzing and needle loss in the summer. Commercial applicators do the best job of managing the mites. Miticides containing Bifenazate or Acephate as the active ingredient are the most often used.
- **A great way to get a jump start on broadleaf weeds** is to have Casoron applied in the winter. Casoron is a granular chemical that is applied when the ground is froze. It helps control weeds like dandelions, thistle and kochia in the upcoming growing season for your tree belts —young and old.
- Once leaves have dropped, choose a nice fall day to check on your fabric in your plantings. A sharp hay knife will split the fabric easily by the trunks of the trees. Girdling **WILL kill** the tree as roots starve.



**The fabric has done its job once the trees have canopied.**

**PLEASE  
CHECK YOUR  
PLANTINGS!**





SHRUBS—\$3.00		QTY	Bdls of 25 Conservation Grade \$60			**FRUIT TREES		PRICE	QTY	
Arrowwood Viburnum			CONIFERS \$3.00		Large or Plugs	Apple Connell Red		\$37		
Black Chokeberry—Aronia				Apple Fireside		\$37				
Cherry, Nanking				Apple Haralred		\$37				
Chokecherry				Apple Haralson		\$37				
Chokecherry, Schubert				Apple Honeycrisp		\$37				
Cotoneaster Centennial				Apple HoneyGold		\$37				
Cranberry, Highbush				Apple Sweet Sixteen		\$37				
Currant, Golden				Apple Frostbite		\$37				
Dogwood, Redosier				Apple Prairie Magic		\$37				
Elderberry, Common						Apple Snowsweet		\$37		
Honeysuckle			Norway Spruce							
Juneberry (Service)			POTTED STOCK			Crabapple-Whitney crabs 1"		\$37		
Lilac, Common & White			Quaking Aspen	\$20		Crabapple-Dolgo crabs 1"		\$37		
Nannyberry			Freeman Maple	\$20		Cherry Evan Bali's		\$37		
Ninebark, Common			Cedar or Juniper	\$20		Compass Cherry Plum		\$37		
Plum, American			Siberian Larch	\$20		Mesabi Cherry		\$37		
Plum, ND-1134			Black Hills Spruce	2 gal	\$20	Sweet Cherry Pie		\$37		
Sumac, Smooth				30"-36"	5 gal	\$50	Mt. Royal Plum		\$37	
				3'-4'	7 gal	\$75	Black Ice Plum		\$37	
MEDIUM TREES-\$3			Ponderosa Pine	2 gal	\$20	Pembina Plum		\$37		
Apricot				3 gal	\$30	Waneta Plum		\$37		
Chokecherry, Amur			LANDSCAPE SHRUBS \$20			Pear Early Gold		\$37		
Crabapple, "Midwest"			Hydrangea Little Hottie			Pear Ure		\$37		
Crabapple, Red Splendor			Hydrangea, Berry White			Pear Summercrisp		\$37		
Hazelnut			Hydrangea, Strawberry Sundae			Peach, Contender		\$42		
Hawthorn, Homestead			Hydrangea, Summer Crush			LANDSCAPE TREES				
Maple, Amur			Wiegela Pink Sonic Bloom			Crabapple Courageous—pink		\$37		
Mulberry			Variety of Perennial Grasses			Crabapple Gladiator-pink		\$37		
Ohio Buckeye			Plants available (pre-order)			Crabapple Donald Wyman-white		\$37		
Olive, Russian			Call for Complete listing			Crabapple Spring Snow—white		\$37		
Pear, Harbin			Black Eyed Susan	\$12.50		Crabapple Prairie Fire—red		\$37		
Willow, Laurel			Salvia May Night	\$12.50		Hackberry		\$37		
Willow, Flame			Feather Reed Karl Forester	\$12.50		Honeylocust Northern Acclaim		\$37		
TALL TREES-\$3			Machine Plantings			Elm—St. Croix		\$37		
Aspen, Quaking			Trees >6 ft.= \$.45 LF			Linden American		\$42		
Birch, White			Shrubs <6 ft.= \$.45 LF			Linden Boulevard		\$42		
Catalpa, Northern			Sod Pltg \$.60 LF			Linden Harvest Gold		\$42		
Coffeetree, Kentucky			Fabric-Weed Barrier —\$.80 LF			Linden Little Leaf		\$42		
Cottonwood, Native			\$400 minimum charge			Lilac Japanese Tree-Snowdance		\$42		
Elm, Siberian,			5' tree tubes w/ stake \$8.50			Maple, Matador		\$37		
Hackberry			6' x 500' Fabric rolls \$165			Maple Sienna Glen		\$37		
Hickory Shagbark			4' x 300' Fabric rolls \$75			Maple Hot Wings		\$40		
Honeylocust			3' x 300' Fabric rolls \$60			Maple Amur Flame		\$45		
Linden, American			Or fabric by the foot @			Maple Fall Fiesta Sugar		\$45		
Linden, Little leaf			6'/\$.50 * 4'/\$.35 * 3'/\$25			Maple Inferno Sugar		\$42		
Maple, Silver			Fabric staples 1 box –500 \$95			Maple Royal Red		\$47		
Maple, Freeman			Individual Staples \$.20 each			Maple Red Sunset		\$47		
Oak, Bur			Maple Northwood						\$47	
Oak, Swamp White			Maple, Silver Queen						\$40	
Walnut, Black			Paper Birch—Clump						\$37	
Willow, Golden			Renaissance Oasis Birch						\$37	
Willow Diamond			Quaking Aspen						\$37	
			Oak—Prairie Stature						\$42	
			Weeping Willow Prairie Cascade						\$35	
			Buckeye– Autumn Splendor						\$40	



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#### **BOARD OF SUPERVISORS**

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Blaze Jones, District Conservationist  
Kristin Pester Soil Conservationist  
Jesse Brooks, Easement Specialist  
Alyssa Burger, Leading Solutions

Call us with your order

### **Native Plant Kits**

Live plants will be offered in full tray kits. Each kit will consist of 36 plants. Six plants of six different species and will be at \$90 each. We recommend planting in a 40-60 square foot area.

**Backyard Prairie Kit**—An attractive mix of native prairie species for your back yard. Grows well in dry to mesic soils and full sunlight. Heights ranging 36" and up.

**Short & Tidy Kit**—A mix of short-statured, well behaved prairie species. Perfect for existing flowerbeds with mesic soil and full to partial shade. Up to 36" in height.

**Part Shade Garden Kit**—Designed for areas with limited direct sunlight.

**Rain Garden Kit**—Mesic to moist soil species. Perfect for areas of concentrated runoff and occasional inundation.

**Rusty Patched Bumble Bee Garden**—Full Sun, this collection to have flowering species in all of the bloom seasons and to contain flowers that are of high priority and "superfoods" for the Rusty Patched Bumble Bee.

**Big Prairie Kit**—Best planted in open spaces. Full of lush plants ranging from three feet to over five feet in height, you can create a native environment to literally lose yourself in.

**Sandy Soil Kit**—A mix of plants prefers a sandier and drier environment, provides ideal habitat for many different pollinators, including bees and butterflies.

**Monarch Special Kit**—You can turn your backyard into a Monarch sanctuary.

**Woodland Edge Kit**—This mix is specifically designed to create a natural transition from open areas to woodland areas. These plants will thrive in both direct sunlight as well as shade.

**Wetland Edge Kit**—Perfect for the border of any wetland area, this kit will provide fantastic habitat for a variety of wildlife.



### **Dormant Plantings**

**Cool and Warm Season  
grasses may be seeded after  
November 1st.**

**Seed when soil temps reach 40  
degrees at 10 AM  
Minimum of 40% residue  
cover must be present at the  
time of seeding to prevent  
erosion & premature  
germination next spring**



**MCCD's Great Plains Grass Drill  
Available for rent  
\$15 an acre**

**With a \$50 Set Up Fee**

**MCCD is willing to help with  
your seed orders**



**STOP BUCK RUB!  
Spray before you lose  
your investment!**