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 701-968-4457 x 3 or 701-370-7764
<https://tcsd.wordpress.com>
 Face Book: TownerCountySCD

Current Resident or:

2018-19 Sponsorship spots available for \$50

final thoughts...



****An Equal Opportunity Employer and Provider****

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- Kirk Larson
- Bruce Teubner
- Sharla Henderson
- Marty Amble
- Karl Solberg
- Carie Moore-SCD Dist. Manager
- Brandon Meyer-SCD Biologist
- Brandon Schwab-NRCS District Conservationist
- Jesse Mastrian-NRCS Soil Con
- Ross Myers-NRCS Soil Tech
- Gina Beck-Office Asst.



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Rick Craig



Issue FOUR

Vol. 34

A Quarterly Insight into Conservation and Agriculture Today

Towner County Soil Conservation District

by The Acre



More Info >>>

Cover Crop Project

All sites were seeded by September 10th. Later than we wanted, but next year we will be in the field seeding June/July. The producers will all meet during our Annual Ag Day to discuss spring situations and the coming crop year. A huge thank you to all who are involved and getting this project off the ground and on it's way to success. Anytime we can improve soil health and bring back productivity, it is time well spent for all of us.

Eco-Ed and PASD
 Youth get hands-on learning



Our annual Eco-Ed and Progressive Ag Safety Day (PASD) were held with local 5th and 7th graders. Eco-Ed was September 28th at the tree shed arboretum. Mr. Grande's 7th grade science classes took part in learning about soils, trees, grasslands, water, and urban conservation. We were excited to update the curriculum and make it more county specific and include our local NDSU-Extension agent, Lindy Berg and Farm Service Agency~CRP Technician, Niki Berg. The more active partners we can get involved the better, as we strive for similar conservation goals. NRCS staff continued to be a major contributor to the event as in the past. We thank them as well!

PASD was held in Rocklake October 4th with 123 students and 5 schools attending. Topics this year were healthy lifestyles, PTO & farm equipment safety, mental health awareness, power tool safety, firearm safety, internet safety, and lawn equipment safety. Volunteers and presenters were from NDSU-Ext., TCSCD, Public Health, FSA, Gooseneck Implement-Rugby, Towner County Sheriff's Dept., D&S Construction, NorthStar school staff, NDTC, and JoLeen Johnson, Without sponsors & volunteers this event wouldn't be possible.

For pictures and details on all our events, visit our website and Facebook page.



Did You Know >>> 2019 Tree Discount

We will be offering a 20% discount to handplants pre-ordered and **paid in full** by Feb 1st and 10% by March 1st. This will help us with our ordering efficiency and pre-packaging time. For you, it means more accessible pick-up options when we might be out planting. In addition, will be having only **1 final tree sale** and not ordering extra trees. We are encouraging pre-sales for cost and time effectiveness. It has been working well for those that contact the day prior, we wrap the order, and set out for pickup by you, when convenient. If you are interested in something not listed, please let us know. There are a lot of different species and heights that we can't list them all. Don't miss out! Check your sites now for replacements! Please use the order form enclosed and return back with payment. If there are changes in price we will contact you. If you are looking to install a tree planting, please contact us this winter for pre-planning & ordering.

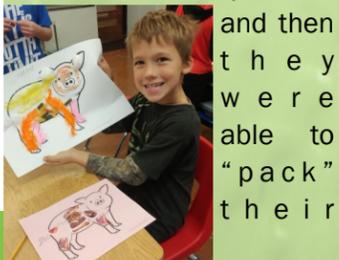
School Lunch & PORKtober?!



Educating the youth is very important to us. Going in the classrooms and working hand in hand with students and teachers is the best way to share about agriculture and our natural resources. This year we have been off to a good and busy start. We have visited 2 schools and 7 classes from K-4th grades.

With many of them taking part in school lunches and packing lunches for hunting and farm field work, we want them to know about good food choices.

"How Did That Get In My Lunchbox?" was read to the classes in September and then they were able to "pack" their



own lunches with choices from the food groups including dairy, grains, veggies, fruits, and protein. We even let them pick a snack item for fun! All the kids were given a lunchbox printed on paper and grocery store flyers. Flipping through they found many different items you can pack in your lunch. From salads that can contain grains,

dairy, protein, fruit, and veggies to simple choices such as dry cereal, nuts, and the popular string cheese. A few tried to pull off "fruit juice" as a fruit and it gave us opportunity to talk about how much sugar is in them and the little amount of fruit. Some things labeled a certain way may be misleading and not always what's inside.



For PORKtober we read a book put out by the Pork Council and another book titled, "A to Z Pigs" and then donated a copy to each school for their classroom or library. The kids had paper pigs and were given 7 cuts of meat. We went through where on the pig those come from. With the younger ones, we gave them a chance to get creative and make their own special pig and the older kids got to play Truth or Hogwash. In November we will be learning about pumpkins and making mini pumpkin pies!

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Moore News >>>



I love fall! My favorite things-combines and coffee, pigs and pumpkins. Combines are rolling to bring in the crop we stressed over, lots of coffee to keep warm and awake. It's time for pigs to go to market and pumpkins are everywhere you look! All these things also involve agriculture. It's been such a pleasure to go into the schools and get kids excited about farming and food. We're lucky here schools have a rural connection, but it's not like that everywhere, even here in ND. Kids are influenced by billboards, TV commercials, social media, and what they hear from others. For all of us who depend on ag, it's so important that we take every chance we get to explain where bacon comes from and that food choices should be based on nutritional value (on the back) and not additional labels (on the front). Just taking the time to explain that pasta salad contains many food groups-carbohydrates/grains, protein/meats, dairy, and vegetables encourages better food choices at home. Getting them involved in a community or school garden teaches them to grow their own fresh food they like to eat. Teaching them that even with mac and cheese you can add canned tuna or chicken, peas or corn, and it's now a meal with a nutritional punch instead of

just a side dish. Our work isn't just about conservation and producing a commodity the best way, it's also about education. I simply started in my children's classrooms and it grew. Most teachers love the break for an hour and it gets their kids thinking and processing new information outside the norm. We work with adults every day and talk farming, so the interaction with the next generation is just, if not more, important. *Isn't that who we're doing all this for?* We talk about sustainability and succession, tradition and family, but it's not just about our family. The child sitting next to yours might not become a family farmer, but they might be a chef, teacher, banker, or parent and the influences they have now will shape the decisions they make later on. The more they know about agriculture, the better off we all are. You see the wheels turning when you compare pork loin to a backstrap on a deer if they hunt or tell them pigs roll in the mud because they can't sweat and they say, "like elephants?". That's when I know how important it is to be there, because my first thought is, "How did they know elephants don't sweat but not pigs?" Ahhh yes, we have a lot of work to do....



Dates to Remember:

- Nov. 11th~Veterans Day
- Nov. 13th~Board Meeting
- Nov. 22nd~Thanksgiving Day
- Dec. 11th~Board Meeting
- Dec. 25th~Christmas Day
- Jan. 1st~New Years Day

Tidbits:

Farmers.gov provides farmers, ranchers, private foresters, & agricultural producers with online self-service applications, educational materials, engagement opportunities, & business tools to increase efficiency & productivity while preserving and fostering long-held traditional relationships between local USDA offices & producers.



*Photo credits-staff & Rick Craig

>>> Partnerships ~ Newsletter Sponsors

We have another great set of sponsors for our upcoming year. These donations allow us to send you a high quality, color newsletter 4 times a year. We encourage you to thank them for their partnership with us and utilize their business as well. If you are interested in being added for 2019 please contact the office to make a \$50 donation. Thank you again!

- ✚ Agassiz Seed
- ✚ American Bank Center
- ✚ Cando Farmers Grain and Oil

Thank you!

- ✚ Cando Insurance & Real Estate
- ✚ D & R Tire and Repair
- ✚ First Community Credit Union
- ✚ First State Bank of Cando
- ✚ High Plains Equipment
- ✚ Horizon Bank & First Insurance Agency
- ✚ Houtcooper Implement-Parts City
- ✚ NoDak Insurance
- ✚ North Central Grain Co-op
- ✚ Northern Plains Electric
- ✚ Ramsey National Bank
- ✚ Towner County Medical Center

Kids Corner Pumpkins!

The theme for classroom visits in November will be pumpkins of course! Pumpkins signify the changing of seasons to fall, harvest, and the holiday season. Did you know that the #1 pumpkin producing state is Illinois? Most of the pumpkins grown are used to make canned pumpkin. Pumpkins are also classified as a fruit. That definitely must be why they belong in pies! Bees are needed for pollination of the plants and seeds are best when roasted. Check out the book we will be reading to the kids, "How Many Seeds in a Pumpkin" by Margaret McNamara.



6 Surprising Health Benefits of Pumpkin

Rich in fiber, potassium and vitamin C pumpkin reduces risk of stroke, and keeps your heart healthy. It makes you feel full, keeping away cravings and aiding weight loss.

Health Benefits of Pumpkin

Heart Helper

Pumpkin is good for the heart. The fiber, potassium and vitamin C that is found in pumpkin all help to support heart health.

Weight Loss Aid

One of the most important benefits of pumpkin include weight loss. Pumpkin is chock full of fiber, which helps to slow down the digestion process.

Better Vision

Pumpkin's gorgeous orange color comes from beta-carotene, an antioxidant that is converted into vitamin A in the body.

Immunity

The vitamin A in pumpkin provides does more than just boost your eye health.

Better Skin

Thanks to beta-carotene, eating pumpkin can keep you looking younger by protecting you from the sun's UV rays (the rays known to cause wrinkles!).

Lower Cancer Risk

Perhaps the most important benefit to pumpkin is its cancer fighting ability.

Your voice >>> Ladies Ag Night 2019

We are gearing up for March 25th! Super excited to have Jesse Veeder as our entertainment for the evening. She is a singer, storyteller, mom, rancher, and so much more. In other words she will fit right in to our amazing group of women we have! Ticket sales will begin the end of December. That way if you are interested in purchasing tickets for Christmas gifts you have that option! Information will be added to our facebook event page as we make planning progress. It will be another great night!



Tree Selection

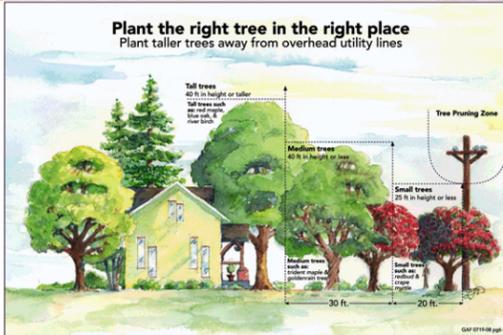
Backyard Conservation Tip Sheet

In school, children learn that planting a tree can help planet Earth. Planting a tree also can help the environment in your own backyard or community. Trees provide a multitude of benefits. They can reduce your heating and cooling costs, help clean the air, add beauty and color, provide shelter from the wind and sun, and be home to many different types of wildlife.

Once you decide to plant a tree, do you know what kind of tree you want? Here are some tips to help you decide. One of the first steps is to decide what you want the tree to do for you. Do you want to attract wildlife? Are you concerned about shade or a windbreak for your home? Do you want to enjoy tree-ripened fruit? Are you willing to clean up after the fallen fruit or do you prefer a less messy tree?

Consider how the tree you purchase will fit into your overall landscape. Then, look closely at the area where you will put the tree. There may be other elements in your yard to consider. Perhaps you have a grand old sycamore tree that a shade loving redbud could grow near. Do you have room for a tree, such as the hackberry, that grows to 100 feet tall? Plant only low-growing trees under power lines to prevent future hazards and bad pruning jobs. If the site is near a street or sidewalk where salt is put in the winter to melt ice and snow, plant a tree that can tolerate salt.

Look at the soil conditions. If you have a wet area, trees that do not mind getting



their roots wet, such as willows, are a good choice. Look at the trees in your neighborhood, too. Planting too many of the same tree species may lead to trouble. Many people still remember the devastation seen when Dutch elm disease struck in many American towns. So many of the statuesque trees lined the boulevards that when the diseased trees were cut down in an attempt to save others, trees became scarce. Diversity in a community will promote good tree health and be more visually pleasing.

Consider planting tree species that are native to your area. They generally will live longer and require less care than introduced tree species. Check with the city forester or parks department to find out if there are tree ordinances in your community. Some tree species are considered nuisances. Some may require a permit prior to planting. And, there may be regulations regarding the species of trees that can be planted in community areas such as parking lots. The most important thing is—do your part to help planet Earth in your corner of the world. Plant a tree in your backyard. (USDA-NRCS)

Nutrient Management Managing to Decrease Pollution

Whether you are a farmer, a lake enthusiast, or just overall concerned about the environment, we all need to be aware of our water supply. The things we do around the water will affect it's quality. No matter who we are or where we live & work, we cannot point fingers at each other. Urban and Rural environments both contribute to our nutrient pollution in the watersheds they are in.

Nutrient Sources

In ND, we know that the major sources of nutrients are:

- ✚ Erosion & runoff from cropland
- ✚ Industrial & municipal point sources
- ✚ Runoff from animal feeding operations
- ✚ Stormwater runoff/residential fertilizer
- ✚ Failing septic systems
- ✚ Hydrologic modification, including wetland drainage & stream channelization

Many of ND's waterbodies are also affected by nutrient pollution. Forty-seven lakes & thousands of miles of streams are impacted due to excessive nutrients. Approximately 2,800 miles of streams are in poor condition due to nitrogen, & more than 3,500 miles are degraded due to phosphorus in ND.

Solutions

Due to the serious effects of nutrient pollution, more action should be taken to reduce nutrients in our nation's waterways. In some states, nutrient pollution issues have resulted in controversy & lawsuits. To avoid these problems, the ND Department of Health has worked with stakeholders to develop a



statewide nutrient reduction strategy. Some examples of BMPs for each source include, but are not limited to:

- ✚ Improving soil health & reducing soil loss through the use of cover crops & reducing tillage.
- ✚ Encouraging the use of precision application techniques for fertilizer.
- ✚ Implementing manure management systems as required & utilizing manure as a soil amendment.
- ✚ Using software tools that aid in identifying land that requires more inputs than generates income. This allows producers to be more profitable & to rest marginal lands.
- ✚ Working with industrial & municipal point sources to monitor their discharges, to optimize treatment efficiencies for nutrients & upgrade wastewater treatment plants when necessary.
- ✚ Promoting urban soil testing & proper lawn fertilization rates & techniques.
- ✚ Educating homeowners about their septic systems & proper maintenance & care.
- ✚ Restoring wetland functions where possible & mitigating the effects of drainage & channelization.

It is anticipated that the menu of BMPs will grow as the department & stakeholders work together.

The state will implement water quality monitoring programs to track progress towards the nutrient reduction goals. Nutrient issues did not become a problem overnight, & they will not disappear quickly. It will take everyone working together to restore ND's waters & protect our water resources for future generations.

For more information about the Nutrient Reduction Strategy &/or nutrient criteria development, www.tinyurl.com/NDNutrient or call the Division of Water Quality at 701.328.5210. (Jim Collins)



NATIONAL FOREST PRODUCTS WEEK

WEEK // OCT 21 - 27, 2018



#FORESTPRODUCTSWEEK

From October 21-27, 2018, we celebrate the value of America's forests and recognize how vital they are to our well-being and national prosperity during National Forest Products Week. This week is recognized each year by a Presidential proclamation. At the USDA Forest Service, we work year round to create new opportunities for wood products that contribute to diversified rural economies and support sustainable forest management.

By supporting forest products markets, we have the opportunity to create safer communities by reducing wildfire risk, supporting rural economic development, and contributing to a more sustainable building sector. The Forest Service is working to develop the U.S. market for cross-laminated timber, or CLT, and other mass timber technologies. CLT is a made from several layers of dried lumber boards stacked in alternating directions, glued and pressed to form rectangular panels. These panels have exceptional strength and stability and can be used as floors, walls and roofs in building construction, replacing or used along with traditional building materials such as concrete and steel. The U.S. Department of Defense is already using CLT in some of its on-base housing because of the incredible resiliency of the materials and their resistance to explosive forces. (Melissa Jenkins, USFS—Excerpt - The Forest Service Celebrates Cross Laminated Timber during Forest Products Week)

ask the experts >>> Laura Rutherford

Q: What are those white 'rocks'?

A: Sugarbeets are a root crop and their tissue is white. The sugar from sugarbeets and sugarcane is identical and because of genetic modification, less chemicals are used on them. Due to the extreme cold, they are able to store them outside in piles.



Totals
Subtotal Trees:
Total Due (Estimate):
Amount Paid With Order:

Name: _____

Phone: _____

Address: _____

Office Use

Order Received: _____

Total Due on Order: _____

Payment Amount: _____

Cash or Check #: _____



Towner County SCD
701-968-4457 ext 3
Facebook: TownerCountySCD
<https://tcsd.wordpress.com/>

All programs & services are offered on a nondiscriminatory basis without regard to race, color, origin, religion, sex, age, marital status, or handicap.

2019 Tree Order Form

Towner County Soil Conservation District

"Conserving Natural Resources For Our Future"

Item	Qty	Price	Total
CG Trees		\$2.00	
Bundles-CG (25)		\$40.00	
Tall 2-3' Trees		\$3.50	
Bundles-Tall 2-3' (25)		\$70.00	
Tall 3'+ Trees		\$5.00	
Bundles-Tall 3'+ (10)		\$45.00	
Specialty Trees *		***	***
Special Order		***	***
Discount %			
Subtotal Trees			

****SCD will price

2018-2019
20% discount to trees pre-ordered & paid in full by Feb 1st & 10% if ordered by March 1st.
There will only be ONE final tree sale in June and no extra trees ordered. Does not apply to 5'+ specialty trees.

Special Order/Lg Fruit ***	Qty

~Species not listed may be available. Please write it in as a special order or contact office.
~Enter quantities in the box of choice.
~A 50% down payment is required with order.
~Due to the perishable nature of live plants, variability in planting conditions and care by customer: Towner County SCD has a NO GUARANTEE for survival and growth of any species. We do our best to provide you with a quality tree from the time we receive it until purchase.



Shrubs	CG	Tall	Tall Trees	CG	Tall
Almond, Russian			Ash, Green/White	XXXX	
Buffaloberry			Aspen, Quaking		
Caragana/Cotoneaster			Birch, Paper		
Cherry, Nanking/Sand			Birch, Weeping		
Cranberry			Boxelder		
Currant, Golden/Black			Black Cherry/Walnut	XXXX	
Dogwood			Catalpa	XXXX	
Hawthorn/Russian Olive			Cottonwood, Native/Silver/Siouxland		
Honeysuckle, Freedom/Red			Hackberry		
Juneberry			Kentucky Coffeetree		
Lilac, Common/Villosa			Linden, Redmond*/American/Littleleaf		
Maple, Amur/Tatarian			*Maple, Red/Silver/Sugar/Freeman		
Nannyberry			Oak, Bur/Red/White		
Rose, Hanson Hedge			Poplar, Lombardy/Prairie Sky/Robusta		
Small/Medium Tree	CG	Tall	Willow, Golden/Hybrid/White		
Apricot			Conifer		Qty
Buckeye, Ohio			Black Hills Spruce		
Chokecherry, Amur/Common/Schubert			Colorado Blue Spruce		
Crabapple, Ranetka/Red Splendor/Dolgo			Conifer (bundles only)		Qty
Japanese Tree Lilac			Eastern Red Cedar (2b)		
Pear			Meyer Spruce (10)		
Plum, Prairie Red/Bounty			Rocky Mtn Juniper (25)		
Sumac			Pine, Scotch/Lodgepole (10)		
Winterberry			Ponderosa Pine (25)		
Willow, Laurel Leaf/Flame			Siberian Larch (10)		
			Fruit *		Qty
			Aronia, Black/Red		
			Honeyberry		
			Raspberry (canes)		

For trees with multiple species listed, please circle the one you would like.

* Specialty Priced Trees