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Inside This Edition:

Winter Corn Grazing Study

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Winter Corn Grazing Study Performed In Eastern Montana



Cattle graze on corn this past winter.

By Anna Dragseth

Tim Fine, Sidney MSU Extension Agent, conducted a winter corn grazing study. The purpose of the project was to see if a corn crop could sustain cattle over winter. The project was set up to see if dryland farmers/ranchers in Eastern Montana could graze standing corn as an alternative to feeding hay all winter.

The study was conducted in Richey, Montana on Marlin Johnston's farm/ranch. They seeded a cover crop of turnips, radishes, clover, safflower, oats, and sudangrass in one field. In another area they seeded sudangrass, and then in two other fields, they seeded four different varieties of corn.

In mid-November, they turned 110 cows onto the cover crop field and rotated them through seven different paddocks using electric fencing to divide the paddocks. After they were finished with the cover crop, they transitioned the cattle to sudangrass which consisted of three paddocks, and then in late December they moved them onto the standing corn crop. "They are still grazing on what is left of the 30 plus paddocks that were constructed," said Fine.

"Each paddock in the cover crop, sudangrass and corn was set up to allow for seven to ten days of grazing. Early in the season, we were moving the cows every ten days but when the snow began to fall, and temperatures dropped we were moving them closer to seven to eight days and at various points gave them access to two paddocks at a time," explained Fine.

There was also some low-quality hay, straw, and supplement that was fed to the cattle. Fine noted that the cows did not eat much of the supplement when they were on the corn.

Throughout the project, Fine said he found the animals' behavior to be most interesting. "The way the cows and wildlife have reacted to the electric fence has been interesting to see. Our fields and fences were set up in a wildlife corridor, so the deer and antelope did not respect the fences as much as the cows have. With that being said, once the temperatures dropped and snow started to accumulate, the cows did not respect the fences as much," said Fine.

Fine was happy with the results and considered the study successful. "We can show that this study truly has worked. The objective was to see if this corn crop could sustain the cows over winter and it has shown to do so with little to no adverse

effects on the cows. The cows are in good body condition and seem to be doing well. These cows are pregnant and will be calving soon so hopefully, they will produce a good calf crop and the manure distribution throughout the fields should help return valuable nutrients back to the soil," said Fine.

The goal of the study is to show that it is economically viable to graze cattle on corn throughout the winter months as opposed to feeding hay. Fine said, "We're still putting some numbers together, and we haven't finished grazing as of yet, but it appears as though this goal will be accomplished."

Fine hopes that this study will be helpful to ranchers. He explained, "In times when hay reserves are low and/or hay prices are high, I think this project clearly shows that grazing corn is a viable option. It does take some planning in determining how much and where to seed corn, there is some added labor in setting up the paddocks, and moving fences in the dead of winter can sometimes be a challenge, but it is definitely more price efficient than cutting and baling hay and using machinery every day to feed cows."



Dave Haverkamp from the NRCS office checks the voltage on the electric fence containing the cattle.

(Photos submitted by Tim Fine.)

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Rick

Underfeeding Beef Cows Has Consequences

Underfed Cows Take Longer To Rebreed And May Have Difficult Births

By NDSU Agriculture Communication

Beef cows that have been underfed during gestation and lactation will be less productive than cows fed adequate diets.

“For adequate production, a beef cow’s daily ration must meet nutritional requirements,” says Karl Hoppe, North Dakota State University Extension livestock systems specialist at the Carrington Research Extension Center. “Cows will lose body weight when consuming less energy than needed for maintaining body functions and production demands.”

Extreme cold temperatures or wind chills will increase the cow’s energy needs substantially. If the cow doesn’t receive additional energy through her diet, she will take nutrients from her body to meet her energy demands.

Production problems will occur when the cow loses too much weight. However, a heavier cow will be able to lose more weight than a thin cow before serious production problems occur.

A visual method for determining weight loss or gain in beef cows is body condition scoring (BCS). Beef cows that carry more condition (or fat) will rate a higher body condition score (maximum of BCS 9) than thin cows (minimum of BCS 1). A body condition score of 4 is borderline for maintaining adequate production in beef cows.

Thin Cows Take Longer to Rebreed

“Cows with a body condition score of 4 or less at calving will have poor reproductive performance,” says John Dhuyvetter, NDSU Extension livestock systems specialist at the North Central Research Extension Center near Minot.

After calving, thin cows will require more days to reach first estrus (heat) and more days to become pregnant. Researchers report that cows with a borderline or lower BCS need an average of 12 more days to reach first estrus. For example, they found that cows with a BCS of 4 or less needed 61 days while cows with a BCS of 5 or greater needed 49 days to reach first estrus.

In addition, beef cows in this study with a BCS of 4 or less took six more days to become pregnant when compared with a cow with a BCS of 5 or greater (90 vs. 84 days). The researchers also found that 84 percent of cows with a BCS of 4 or less were pregnant within 60 days after calving, compared with 91 percent of cows with a BCS of 5 or greater.

For thin cows, increasing the level of energy in the diet after calving will increase the number of pregnant cows at 60 days after giving birth. Cows with a BCS of 4 or less will have comparable pregnancy rates to cows with BCS of 5 or greater when fed a diet that allows for maintaining or gaining weight after calving through rebreeding.

In this study, the amount of energy fed daily was 15.6, 12.6 and 8.9 pounds of total digestible nutrients (TDN) per head daily for high-, moderate- and low-feed energy diets, respectively. The amount of energy fed daily during flushing was 21.8 pounds of TDN.

Flushing an Alternative

Flushing is a management term for providing additional high-quality feeds and grains to cows starting 14 days prior to the start of the breeding season and continuing throughout the first 30 days of breeding. Cows that lost weight after calving but gain weight prior to and during breeding will have a higher pregnancy rate than cows that do not regain weight.

Specifically for thin cows (BCS 4), increasing the concentration of energy in the diet will increase milk production at 90 days after calving and also reduce the days to pregnancy.

Additional Detrimental Effects of Underfeeding

Beef cows that are underfed during gestation and lactation may have additional areas of poor production. Here are two of the issues:

- Underfeeding during gestation will reduce birth weights but may increase the number of difficult births, or dystocia.

- Undernourished or thin cows may have reduced quantity and quality of colostrum. Colostrum is a form of milk that mammals produce in late pregnancy. It contains energy, protein, fat and vitamins, plus antibodies to protect newborns against disease until their own immune system is totally functional. Lower-quality colostrum may result in calves with more illnesses (scours) during early lactation. Reduced immunity also may lead to poorer calf survival rates.

“A ration should be balanced for energy, crude protein, minerals and vitamins,” Hoppe says. “Nutrients are needed by the cow in constant proportions every day. Any nutrient deficiency will lead to reduced digestion and metabolism. Reducing nutrients below the animals’ requirements might reduce feed costs but will also limit production.”

Energy can be underfed in a diet to manage energy reserves (BCS or body fat). However, protein needs to be supplemented.

“The most efficient nutritional management strategy is through feeding adequate amounts of nutrients daily,” Dhuyvetter says. “Matching energy needs during cold weather stress by increasing feed energy helps cows survive extreme cold weather.”

Changing Body Condition Scores in Borderline (BCS 4) Cows After Calving

Condition Score Change	<0	0 to 1	1 to 2	>2
Average BCS change	-.41	.49	1.22	2.44
Days of pregnancy	150.9	126.7	106.3	98.8
Milk production (lb./day, day 60)	11.2	13.2	14.5	15.4

Source: NDSU Extension

Feed Level Influences Percent of Cows Pregnant Within 60 Days After Calving

Feed Energy	Postcalving Average Daily Gain	Body Condition Score 4 or less	Body Condition Score 5 or greater
High	1-2 lb. gain	92	92
Moderate	none	92	88
Low	1-2 lb. loss	68	85
Low-flushed*	1-2 lb. loss	85	98
Average		84	91

*Flushed 14 days prior to breeding then flushed for 14 days prior to and 30 after bull turnout. The flushing diet for this study was 9 to 13 pounds grain plus free-choice corn silage.

Source: NDSU Extension



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Feed Like A Champion



R&J Ag Supply's Ben Johnson provides information on both steers and pigs.

R&J Ag Supply held their 3rd Annual Feed Like A Champion informational seminar on March 24 at their location in Sidney. The event is held every spring to educate 4-H members and parents on the proper care, handling and feeding of their 4-H fair project animals. They cover rabbits, poultry, lambs, goats, pigs and steers.

USDA Farm Service Agency Reminder on Livestock Inventory Records

Montana livestock producers are reminded to keep updated livestock inventory records. These records are necessary in the event of a natural disaster.

When disasters strike, the USDA Farm Service Agency can assist producers who suffered excessive livestock death losses and grazing or feed losses due to eligible natural disasters.

To participate in livestock disaster assistance programs, producers will be required to provide verifiable documentation of death losses resulting from an eligible adverse weather event and must submit a notice of loss to their local FSA office within 30 calendar days of when the loss of livestock is apparent. For grazing or feed losses, producers must submit a notice of loss to their local FSA office within 30 calendar days of when the loss is apparent and should maintain documentation and receipts.

Producers should record all pertinent information regarding livestock inventory records including:

- Documentation of the number, kind, type, and weight range of livestock
- Beginning inventory supported by birth recordings or purchase receipts

For more information on documentation requirements, contact your local FSA office at (406) 433-2103 and at 2745 West Holly in Sidney, MT and visit www.farmers.gov/recover.



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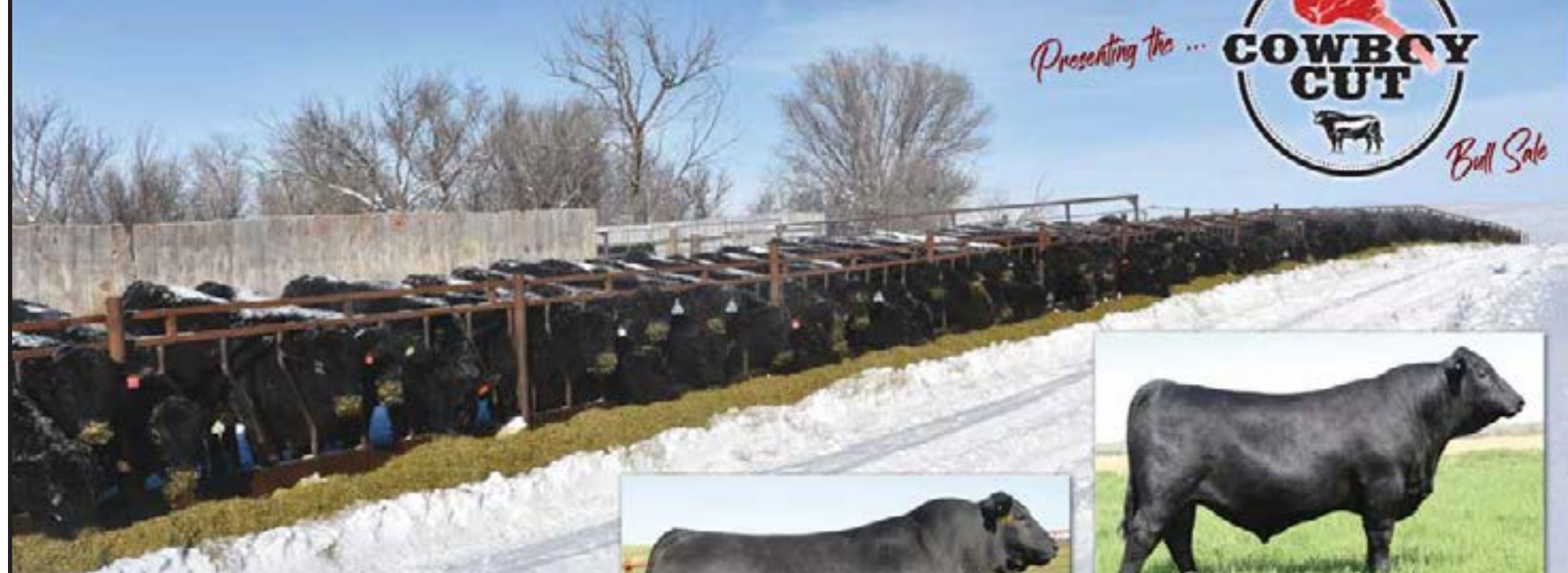


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NDSU Extension to Host Brine Spill Discussion

Landowners will have an opportunity to discuss their concerns and experiences with brine spills.

By NDSU Agriculture Communication

Landowners will have an opportunity to discuss their concerns and experiences with brine spills during a series of informal meetings North Dakota State University Extension is hosting this spring.

These meetings are open to all landowners to discuss their concerns and experiences with brine spills. NDSU researchers will provide an update on the current brine remediation research being conducted in the state. The goal of these meetings is for everyone to share information and voice their concerns.

Meetings are scheduled in regions of North Dakota that have been impacted by energy development. The dates and locations are:

- April 2 - Dickinson, Dickinson Research Extension Center, 1 to 3 p.m.
- April 11 - Minot, North Central Research Extension Center, 1 to 3 p.m.

Space will be limited to 30 participants, so contact the Extension agent or other contact person for the location you will be attending to reserve your spot:

- Dickinson - Kurt Froelich, 701-456-7665 or kurt.froelich@ndsu.edu; or Greg Benz, 701-573-5593 or gregory.benz@ndsu.edu
- Minot - Paige Brummund, 701-857-6444 or paige.f.brummund@ndsu.edu

The Northwest Landowners Association is providing snacks and refreshments.



This is the site of a brine spill in northwestern North Dakota. (NDSU photo)

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- 2011 Polaris ranger 800 poly windshield. Winch decent tread on tires
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- tandem axle w/pusher axle, Integral sleeper, box & hoist (used for beets & silage)
- 1997 GMC 2 1/2 ton Truck w/hay racks
- 1998 Dodge Ram 2500 Pickup, 4x4, V-10 engine, manual transmission, flatbed

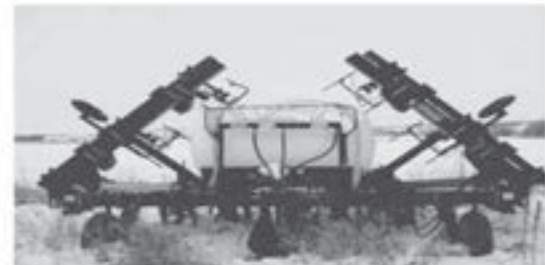


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[AUCTIONEER'S NOTE]

Darren Dukart passed away last fall and his wife, Delite is offering their equipment at auction. The tractors and trucks are in good running condition. Kyle from Milne Implement has a few pieces to sell. This is our first farm sale of the season. We hope to see you on Saturday, April, 13th!

Rick



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MSU Soil Expert Says Spring Is A Good Time To Soil Sample

BOZEMAN —Now is the time to plan for spring soil testing, according to a Montana State University Extension soil expert.

The MSU Extension Soil Fertility program has published two reference sheets on getting a good soil sample and the questions that need to be answered before a sample is sent off for laboratory analysis.

Clain Jones, Extension soil fertility specialist and professor in the Department of Land Resources and Environmental Sciences, said MSU soil fertility guidelines are based on spring soil sample results. Spring sampling is ideal, he said, because spring levels are more indicative of growing season nitrogen availability, compared to fall nitrogen levels.

Spring sampling can be more difficult than fall sampling, however, Jones suggested a few samples be taken in the spring, especially on soils less than 2 feet deep and those with greater than 60 pounds of nitrogen per acre last fall.

He said the effort put into getting soil samples from the right depth, time and location is rewarded by valuable soil test results.

"By tracking overwinter nitrogen losses or gains for given fields and rotations, producers are better able to predict future spring nitrogen levels from late fall soil samples and avoid over- or under-fertilization," he said.

Sampling depth is another important consideration. Most nutrients and soil characteristics are determined from zero to 6-inch soil samples. Nitrogen for annual crops should be determined from samples taken 2-3 feet deep. Hay and pasture fields are usually sampled to 1-foot depth.

The soil analyses that should be requested may vary depending on whether the prior crop had growth problems or if the soil is showing issues like crusting. Jones suggested reviewing last season's growth issues, which could indicate analyzing for something extra, such as cation exchange capacity or pH in the upper 3-inches, if acidity is suspected.

"We also list the specific soil analyses required by the Natural Resources Conservation Service if producers are involved in programs such as the Environmental Quality Incentives Program," Jones said.

There are many other decisions made in the soil sampling process, such as which lab should be used and which test is best for soil phosphorus. Jones said it's easy to forget a step in getting a good soil sample or to forget the answer to an important question about the sample or the field it came from.

"We're providing these reference sheets to help anyone involved with soil sampling get the most value," Jones said.

Readers can find "Soil Testing: Getting a Good Sample and Soil Testing: Once You Have the Sample at The Soil Scoop" on Jones' website <http://landresources.montana.edu/soilfertility/>, or contact Jones at 406-994-6076 or clainj@montana.edu.

Lower Yellowstone Irrigation Assessing Flood Damage Farmers Asked to Report Major Problems



Flooded cropland near Fairview.

By Dianne Swanson

Lower Yellowstone Irrigation conducted an aerial survey earlier this week to assess damage to laterals and pumps caused by the devastating floods. According to project manager James Brower, most of the supplemental drain pumps, which pump the water into laterals, have been submerged and will require extensive repair. The main canal should be fine but the survey will take stock of any washed out points in laterals.

LYIP employees will be working overtime, concentrating on making the repairs to the main delivery system to ensure irrigation water is available when needed, and will not be able to look at individual farmer's requests at this time. However, farmers are asked to report any major problems by calling 406-433-1306. Please include a photo of the damage and an exact location.

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Farm Bureau Members Attend Advisory Meetings, Meet With Congressional Offices In D.C.

Submitted by Rebecca Colnar, AgNewsWire

Four Montana Farm Bureau members traveled to Washington, D.C. to attend the American Farm Bureau Issues Advisory Committee meetings and visit with senatorial offices. Members included Tonya Rolf Liles, a cattle rancher from Terry, Animal Care Committee; Megan Mattson Hedges, a grain farmer from Chester, Farm Policy Committee; Chuck Rein, a rancher from Big Timber, Federal Lands Committee; and Don Steinbeisser, Jr., a diversified farmer from Sidney, Environmental Regulations Committee.

The Animal Care Committee addressed some of the current national lawsuits including nuisance lawsuits against swine farms and R-CALF USA's beef checkoff lawsuit.

"They wanted input from the different states regarding various lawsuits to decide if AFBF should pursue them," said Rolf. "In addition, we talked about cell-cultured protein products and how to ensure the US Department of Agriculture regulates them. We talked about the Green New Deal and how the EPA would handle that. In addition, we covered animal traceability. We agreed there is a need for traceability, but there must be a way to keep personal information confidential."

Chuck Rein said the Federal Lands Committee had two prevalent topics. "The number-one discussion was regarding fire: the speakers covered prevention, what to do during the fire and then after. We talked about what caused the problem, as well as how



Chuck Rein, Don Steinbeisser, Jr., Megan Hedges and Tonya Liles meet with Senator Daines' Ag Legislative Assistant Dan Gerig (second from left) during the recent trip to Washington, D.C. for the American Farm Bureau Issues Advisory Committee meetings.

to mitigate getting permits to access an area when there are fallen burned trees across the roads. There wasn't a concrete answer developed, but the meeting provided a good opportunity to voice our concerns. Wild horses and burros were the number-two topic. We learned the BLM has 55,000 wild horses and burros that is costing \$48,000 per head, costing a billion dollars a year to feed these horses. We talked about ranchers possibly adopting some of the horses and getting paid to take care of them."

The Farm Policy Committee conversation was a continuation of last year's regarding the farm bill.

"Last year we were discussing what needed to be in the farm bill; this year there were a lot of questions about implementation, timelines and funding changes," said Megan Mattson Hedges. "There was a lot of talk about growing hemp, such as would there be crop insurance and whether it could be planted on a lot of those tobacco acres."

"Having a seat at the table is vital for Montana," said Hedges. "I might not be the expert on all of our issues but I was the only wheat producer at the table. That's imperative for our state."

Steinbeisser said one of the main topics discussed by the Environmental Regulations Committee was dicamba and the trouble Arkansas farmers had with lawsuits surrounding that crop protectant. "We talked about making sure there was a way to shorten the time period for completing the Environmental Impact Statement on pesticides. Sometimes it takes 10-12 years. We addressed some of the irrigation concerns in different states. Arizona has a lot of dust trouble. In fact, they're threatening to shut down farming completely in some areas because of the dust."

During the time in Washington, the group visited Senator Steve Daines' office. "We visited with Dan Gerig, Senator Daines' Ag Legislative Assistant. Trade was the number-one issue we discussed, and the importance of the U.S. Mexico Canada Free Trade Agreement and what an important issue it is in Montana especially in the northern part of the state with grain," said Hedges. "However, our visit with him really ran the gamut of ag issues."

Steinbeisser had the opportunity to visit with Senator Tester's staff. "I told them about the importance of trade, especially the upcoming USMCA, and talked about the importance of funding our Agricultural Research Stations in Montana."

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RETIREMENT FARM EQUIPMENT AUCTION**MONDAY, APRIL 8, 2019 11:00 AM MDT****Sellers: Reggie and Amy Pahl, New Leipzig ND***For more information call Reggie at 701-290-0045***Directions:** From New Leipzig, ND at Hwy 21: 1-mile West, 7-miles North, and 1-mile East
From Inter. 94 Exit 110 at Glen Ullin, ND: South on HWY 49 to 64th ST, 6-miles West, 1-mile South, and 1-mile East**Auctioneers Note:** Mark your calendars! Reggie & Amy have decided to retire from farming and move to town. They are offering to you their line-up of Very Well-Maintained, Low Hour, Clean farm equipment. Any questions Reggie will help you. Come bid with confidence April 8!**Tractors****1998 John Deere 9200** with 3 pt, 1000 PTO, Quad Range. Hydraulic Bypass for air seeder. 20.8x42 Duals. (TIRES ARE LIKE NEW) Green Star Ready. 6345 Hours (Ser # RW9200H010808)**1997 John Deere 8970** 20.8x42 Triples. Quad Range. Hydraulic Bypass for air seeder. 4 Hydraulics, Green Star Ready, 6097 Hours. (Ser # RW8970H006142)**1996 John Deere 8870** 20.8x42 triples (TIRES ARE LIKE NEW) 4 Hydraulics, Hydraulic Bypass for air seeder. Green Star Ready, 5034 Hours (Ser # RW8870H003398)**1986 John Deere 4250** Power Shift, 3 Point, 540/1000 PTO. 3 Hydraulics. 18.4x38 Tires, Excellent Tractor (Ser # RW4250P011219)**John Deere 1530** Utility Tractor 2 Hydraulics, 540 PTO, New Tires (Ser # 119652)**1960 Massey Ferguson 50** Tractor. 3 Point, 1 Hydraulic (Serial # 517266)**Combines and Headers****2011 John Deere 9870** High capacity chopper, Command Post monitors, Green Star ready. 1782 Engine Hours, 1255 Separator Hours. Excellent Condition (Ser # 1H09870SCB0740676)**2009 John Deere 9870** Command Post Monitors, Green Star Ready, 2333 Engine Hours, 1587 Separator Hours. Excellent Condition (Ser # H09870S731293)**2 - John Deere 640** Draper Heads with Finger Reels and John Deere factory transports**John Deere 635** Flex header with full auger fingers, High Dam Sickle**3 - Unverferth** front and rear steer header trailers (LIKE NEW)**Header trailer** for 35-ft Heads**Corn concaves** for 9870**Tailboard** for 9870**Tillage Equipment****2012 30' Joker RT300** Vertical Tillage
Wishek 16-ft offset disk • **1992 John Deere 3955 5x16"** Integral Plow**Air Seeders****2008 John Deere 1890** 42.5-ft Disk Drill with 1910/430 tow behind cart. Mud Smith gauge wheels. 7.5" spacing (Field Ready)**2004 John Deere 1890** 42.5-ft Disk Drill with 1910/270 tow between cart. Mud Smith gauge wheels. 7.5" spacing. (Field Ready)**2003 John Deere 1820** 60-ft air seeder, 7.5" spacing with 1910/350 tow behind cart**Anhydrous Equipment****B&B 52-ft NH3** Toolbar w/ Coulters and Summers MH1105 Harrows and John Deere Rate Controller**3 - P&H** low slung Anhydrous Trailers w/ 2 - 1000 gal Tanks**1 - P&H** Anhydrous trailer w/ 2 -1000 gal tanks**Trucks****1998 Freightliner** Semi Tractor w/ Sleeper, Detroit Series 60 engine, 13 speed., Pusher axle. 24.5 tires. (1,232,631 Miles)

Good Condition

1987 Kenworth T-800 Semi Tractor, Day Cab. 3406B Cat Engine, 13 speed., Wet Kit, Pusher Axle, NEW 24.5 Tires. (1,256,620 Miles) Good Condition.**1978 Peterbilt** Semi Tractor, Day Cab, 8V92 Detroit Engine, 13 speed.**1982 GMC 7000** 3.5-ton Tandem Axle with Tag Axle, 366 V8, 5/2 Transmission. 20-ft box w/ Roll Tarp**1977 C-65** Chevy Tandem w/ Tag Axle, 427 V-8 Engine, 5/2 Transmission, 20-ft box w/ Roll Tarp**1967 C-50** Tandem Axle Truck w/ 350 V-8 Engine, 4/2 Transmission, 20-ft Box w/Roll Tarp.**1975 Ford F-700** HD Truck w/ 1600-gallon Water Tank & 4-horse Honda engine w/Pump.**1955 Chevy 5500** Single Axle Truck w/ 6 Cylinder gas engine, 4/2 transmission, 14-foot box and hoist**2005 Ford F250** 4x4 4 door Crew Cab**2006 Ford F150** 4x4, 4 dr, Ext. Cab - LOW MILES**Misc. Equipment****Trailers****2011 Wilson** Triple Axle 102"x42 Foot Hopper Trailer, 10.2 Spread Axle, Ag Hoppers, Electric Tarp**2010 Wilson** Triple Axle 102"x48 Foot Hopper Trailer, Ag Hoppers, Electric Tarp, (Ser #: 1W1MCF6T8BB256090)**2009 Wilson** Triple Axle 102"x48 Foot Hopper Trailer, Ag Hoppers, Electric Tarp (Ser #: 1W1MCF6T4AB254271)**2006 Wilson** Tandem Axle 102"x42 Foot Hopper Trailer, Ag Hoppers, Electric Tarp. (Ser #: 1W1MBFYA87A24532)**1999 Wilson** Spring Ride Triple Axle Hopper Trailer, 102"x45 Foot, Manual Tarp**2012 CPS** Belly Dump Tandem Axle Gravel Trailer w/ Tarp, GOOD CONDITION**1998 Kentucky** Van Trailer (Used for storage)**Grain Handling Equipment****1985 Ford F-600** Truck Chassis w/High Capacity Neuro Grain Vac, Complete with 20-foot Car Trailer to haul suction pipes. GOOD WORKING CONDITION**Brandt 10"x35'** Auger w/ Kohler Engine & Self-moving Hyd. System**2009 Brandt 10"x71'** swing auger**ND Cattle Brand****North Dakota Registered Cattle Brand** with Electric Iron and Hot Irons: P Lazy P, Right Hip (Cattle)**AMS Equipment****2630 Monitor**

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Auction Service**AUCTIONEERS:****SCOTT WEISHAAR** (ND #493)**WAYNE WEISHAAR** (ND #99)**CHAD STOLTZ** (ND #39)**CLERK#33****701-872-5299****701-567-3637****701-290-0546**www.weishaarauctions.com*Terms are Cash. Not Responsible for Accidents. Lunch will be served.**All announcements made Day of Sale will take Precedence over All Printed Material!*

Richland County Cooperator of the Year 2018-19

**Wade Whiteman, right, presents Don Franz, left, with the Cooperator of the Year Award during the MonDak Ag Days Banquet held on March 8 at the Richland County Event Center.**

Each year the conservation district presents an award to an individual or entity that enhances conservation. We rotate the award between range conservation and irrigation. Irrigation is highlight for 2018. When thinking back about irrigation over the last couple of years, one thing stood out. Although the entity we are presenting this award to didn't cooperator with the conservation district, they did show the community that through cooperation, work can get done, canals can be reconnected, and crops can get watered in a short period of time.

The canal breach on August 21, 2016 sent 100,000 cubic yards of dirt and 7000 cubic feet per second of water into the lower farmsteads and fields. Once the Lower Yellowstone Irrigation Project officials surveyed the situation and had an estimate of the cost to repair the damage they contacted Franz Construction to do the repairs. Franz Construction worked with Nortana Grain to get the best fuel price in order to keep costs down. Over 200,000 yards of dirt were moved to form the new canal, two crews kept the equipment going 24 hours a day to get the water flowing as quickly as possible to the acres of crops impacted by the breach. Twelve days later the canal was reconnected. This feat was accomplished thanks to the hard work and determination of a company that realized the importance of co-operating to achieve a goal. Due to this co-operation crops weren't lost, producers didn't suffer financial losses and the community benefited.

The Richland County Conservation District would like to honor this co-operating spirit by presenting the 2018/19 Co-operator of the Year to Franz Construction Inc.



Wheat Show Entertainment

Jessie Veeder provided the entertainment at the 66th Annual Hard Spring Wheat Show at the Raymond Family Community Center in Williston on March 13. The event and tradeshow featured agricultural seminars, a photo contest and a 5th grade bread fair. (Photo by Roger Riveland)

Don't Lose Pounds to Infertile or Subfertile Bulls!

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Meal

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Meeting

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New Holland 9682, 4600 Hrs, Trelleborg duals, weight
kit, EZ-steer guidance \$69,000
1997 Case IH 9370, 7600 Hrs, 12 speed.. \$49,000
2002 Case IH MX270, 6900 Hrs, MFD, 3PT,
Duals..... \$39,000

Used Haying Equipment In Stock

2012 Case IH RB564 Round Baler, mesh & twine, flotation
tires, good condition..... \$21,500
2003 Case IH RB562, twine & mesh..... \$22,000

New Seeding, Tillage, Sprayers

Case IH Precision Air 100 Pull-Type Sprayer

New Skid Steer Attachments In Stock

Danuser Palet Forks - 48", 4000lb
Danuser Hydraulic Post Hole Digger & Augers
Danuser T3 Hydraulic Post Drivers

Used Seeding, Tillage, Sprayers

Concord 4710 air drill, 3400 Tow behind cart... \$28,000
Brandt 5B4000 suspended boom sprayer, 90' booms... \$19,900
John Deere 2100 inline ripper \$3,500
Brillion 30' mulcher, very good condition Just Traded

Miscellaneous Used Equipment

Buhler 8' snowblower, 3pt, like new..... \$4,500
2013 Haybuster 2650 bale processor \$17,000
Brandt 5200EX Grain Vac..... \$11,500

New Grabtech Skidsteer Grapple Buckets In Stock!

Phoenix Rotary Harrow 60', very nice condition, consigned ... \$20,000



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