

**MARKET**

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a half-inch in between, all bets are off. Now the greens will be softer and slower than if it were dry."

**CONSERVATIVE INPUTS**

Muller takes the guesswork out of sand and soil moisture. Moisture supplies the living turf of the greens and indirectly affects the speed of the rolling golf ball. His moisture meter measures moisture in the top three inches under the turf.

"At the maintenance facility I can manually control all 200 sprinkler heads (of the irrigation system). I never put the same amount of water everywhere. Typically I water all the fairways, or all 18 greens at once. I adjust the percent of water rate based on temperature/evaporation rates." He follows weather reports.

Like home lawns, some spots on the course hold water differently due to sun or shade or wind or soil. He makes water adjustments for those areas.

"I have had irrigation going in the rain. If I think we are going to a get .10 of rain I may try to add another .10, so I can go three, four or five days without watering." He is also precise on what the course needs in fertilizer applications.

"Unless you are seeding or sodding, South Dakota soils have enough phosphorus. If you put phosphorus on an established lawn, it's a waste. You're just helping crabgrass put down roots," Muller said. Most annuals get enough potassium in South Dakota soil too. Potassium helps winter hardiness. His staff don't put any phosphorus or potassium on the rough, only nitrogen."

Muller's moisture meter measures irrigation needs. Fertilizer constraints are factors for a fast playing surface. He thinks his water and fertilizer inputs are conservative. He compares them per acre to homeowners' lawns with irrigation systems and five fertilizer applications. He balances fertilizer requirements and costs and applies what is needed. Hillcrest has more maintained acres and requires more rough inputs compared to a more modern course like Dakota Dunes Country Club, where he worked before.

Grass clippings are spread out in the rough and fairway clippings aren't collected. Greens and tee clippings are collected and spread out on the property or taken to the landfill.

"United States Golfing Association has backed the move to return golf courses to a more natural state and reduced inputs and take some perfection out of the game. At Hillcrest, we try to limit inputs of water and fertilizer but it is designed as a classic course to be maintained this way," he said. Muller gave the example of Fox Run as closer to the more modern way courses are designed and managed.

"We are constantly reseeding and sodding something." Muller and his staff spend time on many other course related activities. "We usually don't seed after June. We try not to sod in July if we can help it. We start seeding again in mid August. In October we renovate some areas. We have laid sod in December. One of our suppliers is Olson Sod of Meckling. They have a good product."

Muller has heard the comment, "The greens are slow today. I guess it's the same for everybody." He tries to be consistent. Rain the night before, blowing wind, and humidity in the air may cause some differences on the course. Maybe it's the transition in the growing season. Once in a while there's a staff concern. Muller doesn't try to ruin a player's afternoon off, but it can happen. You may find him playing golf and answering member questions on Thursday afternoons. He says he's not an accomplished player, but that playing the course makes him a better golf grass grower.

**ADDITIONAL READINGS**

- "Understanding Water Conservation For Lawns and Sports Turf" by David Chalmers, SDSU associate, [www.lgrow.org](http://www.lgrow.org)
- "Fertilizing South Dakota Lawns-- A 10-point Checklist For Cool Season Grasses" by David Chalmers, SDSU associate, [www.lgrow.org](http://www.lgrow.org)
- Online search: "Low-mow Kentucky Bluegrass Variety Performance for Fairways" by Chicago District Golf Association, Derek Settle, Tim Sibicky, and Nick DeVries.

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**From Our Readers**

# Thank You For Making The 2015 Missouri River Events Successful

**BY THE MISSOURI RIVER EVENTS PLANNING COMMITTEE**

Mary Robb, City of Yankton; Dugan Smith, National Park Service; and Paul Lepisto, Izaak Walton League of America

The Missouri River Events Planning Committee sincerely thanks you for your recent help and generosity. We specifically want to thank the *Yankton Press and Dakotan* for your coverage of the Missouri River Events. Randy Dockendorf did a great job.

The seventh annual Missouri River Watershed School Festival, 12th annual Yankton area Missouri River Clean up, seventh annual Missouri River Clean Boat Event and the Missouri River Rendezvous were held May 1 to May 9.

More than 400 area high school students attended the School Festival Friday, May 1, in Riverside Park. The students engaged with 21 hands-on educational presentations learning more about the Missouri River and our natural resources.

On Saturday, May 2, a record 130 volunteers gathered more than two tons of trash, lumber, tires, and metal along the Missouri River from Gavins Point Dam to past Yankton. The annual clean up makes the Missouri River cleaner and healthier for people and for fish and wildlife.

The Missouri River Rendezvous on May 2 in River-

side Park was held in conjunction with the Boy Scouts of America. The Rendezvous gave the public the opportunity to see presentations on river-related outdoor activities and learn about our natural resources.

More than 360 boaters and anglers from seven states were contacted during this year's Missouri River Clean Boat Event May 2-9. The event raises awareness of the threat posed by invasive species and how people can prevent their spread.

The following graciously donated money, time, equipment, and knowledge for the events:

• **2015 DONORS** — S.D. Canoe and Kayak Assn's Fort to Field 50, NuStar Foundation, Eagle Eye Ride, John A. Conkling Distributing, Vishay-Dale Electronics, Kolberg-Pioneer Inc., First Dakota National Bank-Yankton, Izaak Walton League-Yankton, Koletzky Implement Inc.

• **2015 PARTNERS** — Bomgaars-Yankton, Casey's General Store, Chesterman Company, Cimpr Packing Company, City of Yankton, Cabela's, Eisenbraun & Associates, Embroidery and Screen Works, Freedom Valu Center, Gene Bormann, Hanson-Briggs Specialty Advertising, Keep Yankton Beautiful, KYNT Radio, Mid-American Energy, National Park Service, Natural Resource Conservation Service, Nebraska Game and Parks Commission, Pizza Ranch-Yankton, South Dakota Game, Fish & Parks, S.D. Department of Corrections-Yankton Starbucks, Camille

Swift-Slowey, TransCanada Corporation, U.S. Army Corps of Engineers, U.S. Fish & Wildlife Service, Virginia Tech, Walmart, Yankton Area Chamber of Commerce, Yankton Emergency Medical Technicians, Yankton Hy-Vee, *Yankton Press & Dakotan*.

• **2015 MISSOURI RIVER SCHOOL FESTIVAL AND RENDEZVOUS PRESENTERS** — Ace Hardware, All Season Power Sports, Boy Scouts of America, City of Yankton, DJ's Campers, Ducks Unlimited/Yankton Chapter, Heartland Humane Society, Missouri River Institute/University of South Dakota, National Field Archery Association, National Park Service, Nebraska Game and Parks Commission, Patriot Outdoors, Ponca Sioux Tribe of Nebraska, David Rambow, Santee Sioux Tribe of Nebraska, Sgt. Floyd Honor Guard/Sioux City, Sioux Falls Whitewater Park, South Dakota Canoe and Kayak Association South Dakota Game, Fish & Parks, South Dakota Geological Survey, S.D. National Guard, S.D. Natural Resource Conservation Service University of Nebraska-Lincoln, U.S. Army Corps of Engineers, U.S. Fish & Wildlife Service

Your help and important contribution enabled us to complete these events. On behalf of the Missouri River Events Planning Committee we thank you and we deeply appreciated partnering with you on the 2015 Missouri River Events.

## How Sweep It Is For Yankton Elks

Yankton Elks Lodge made almost a clean sweep of the available awards at the recent South Dakota Elks Association in Huron by winning the SDEA Elks Lodge of the Year award. The local Elks lodge also received a large plaque honoring the locals, acknowledging Yankton had the greatest membership gain in the last year, with a net gain of 42 members, even though the lodge reported 11 deaths among their membership.

John Lynch, Watertown, state membership chairman, cited at the state meeting that Yankton Elks Lodge records indicate that just two members failed to remit their Elks dues this year.


John K. Cornette was honored with a meritorious service commendation from the state Elks association for his 33 years of service to the SDEA as drug awareness committee chair.

Ted P. Mickelson earned a plaque of recognition noting that members of Yankton Elks Lodge donated \$6.37 per member to the Elks National Foundation which greatly surpasses the Elks national ENF goal of \$4.85 per member. Mickelson, local ENF chair, noted that all the funds donated to the Elks National Foundation will never be spent. Only the interest earned on the ENF principle is spend on charitable donations to activities such as veteran's service activities and college and vocational education scholarships. Only the federal government spends more on such scholarships than does the Benevolent and Protective Order of Elks.



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**LOCATED: 190 South 4th Street, Olivet, SD**

**VEHICLE:** 2008 Ford Escape Limited, V-6, 122,000 miles, Nice.

**SHOP & MISCELLANEOUS:** 1000 Watt AC inverter generator; Rolling tool cabinet; Tool boxes; Miscellaneous hand tools; Forks; Shovels; Lawn and garden tools; Wheel barrow; Metal shelving; Vises; Clamps; Shoplites; Commercial moving cart; Shop vac; Electric edger; Bike rack; Metal shelving; Hammock; Lawn chairs; Grill; Patio furniture; Plus more.

**HOUSEHOLD:** 7' chest freezer; Recliners; Sleeper sofa; Double bed; Childs bed; Large computer desk; Drop front desk; Computer printer; Several book cases; Buffet; Cabinets; Stands; Shelves; Microwave and cabinet; File cabinets; Entertainment center; Storage cubes; Wardrobes; Sewing table; Card table and chairs; Dehumidifier; DVDs, CDs; VHS; Electric meat slicer; Small electric kitchen appliances; Dishes; Cookware; Canning supplies; Bedding; Blankets; Lamps; Picture frames; Coolers; Exercise equipment; Avon items; Knick knacks; Books; Baby cradle; Infant items; Misc. HO trains; Toys; Plus many more kitchen and household related items.

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**NOTICE OF CHARLES MIX COUNTY REAL ESTATE SALE**

**Wipf & Cotton Real Estate, LLC will offer the following parcels of real estate for sale at sealed bid auction at Wipf & Cotton Real Estate, LLC, 107 S. Main Avenue, Wagner, SD 57380, ph. 605-384-5471, on Friday, June 26, 2015, at 10:00 a.m. CST:**

NE¼NE¼, less .51 acres, and less Lot H-1 (.74 acres), in Section 15, Township 96 North, Range 64 West of the 5th P.M., Charles Mix County, SD; and

W½NW¼NW¼, except .25 acre R/W, and except Lot H-2 (.37 Acre), in Section 14, Township 96 North, Range 64 West of the 5th P.M., Charles Mix County, SD,

Consisting and containing 60 Acres, more or less.

**Please contact Ken Cotton or Steve Cotton for a bid packet, at [ken@wipfandcotton.com](mailto:ken@wipfandcotton.com) or [steve@wipfandcotton.com](mailto:steve@wipfandcotton.com), or at the above phone number or office location.**

**ANNUAL UNRESERVED SPRING FLEET VEHICLE & HEAVY EQUIPMENT AUCTION**

**FRIDAY, JUNE 19, 2015 ~ 10:00 AM CT**

York County Fairgrounds, York, Nebraska

Directions: Located at the Junction of Lincoln Ave. & 25th Street. Live Internet Bidding available, visit [www.stockra.com](http://www.stockra.com)

**BUCKET TRUCK:** 2004 Freightliner M2-102 4X2 Bucket Truck, 250 hp CAT 3116 Diesel Engine.

**DIGGER DERRICK TRUCK:** 1996 International 4800 4x4 Digger Derrick Truck, International DT466 Diesel Engine.

**DUMP TRUCKS:** 2001 International 4800 4x4 Dump Truck, International DT466 Diesel Engine; 1998 International 2574 6X4 Heavy Duty Dump Truck, Cummins 10L Diesel Engine; 1995 Ford L9000 6X4 Heavy Duty Dump Truck, 10.5L CAT 3306 Diesel Engine; 1991 GMC TopKick 4x2 Dump Truck, 6.0L V8 Gas Engine; 1991 GMC TopKick 4x2 Dump Truck, 6.0L Gas Engine; 1986 Ford F-800 Dump Truck, 4x2, 370 Gas Engine.

**CAB & CHASSIS:** 2008 International 4200 4x4 Cab & Chassis, VT365 Diesel Engine; 1995 GMC Sierra K2500 Cab & Chassis, 7.4L Gas Engine; 1995 GMC Sierra C2500 ¾ Ton Cab & Chassis, 7.4L Gas Engine.

**SERVICE TRUCKS:** 2008 Ford F-350 Super Duty Flatbed Pickup; 2008 Ford F-350 Service Truck; 2008 Ford F-350 Service Truck; 2007 Ford F-450 Service Truck; 2005 GMC C4500 Service Truck; 1996 GMC Sierra K3500 ¾ Ton Flatbed Pickup.

**PICKUPS:** 2007 Dodge Ram 2500 Pickup; 2005 Dodge Ram 2500 Pickup; 2002 Ford F-150 Pickup; 2001 Ford F-250 Pickup; 1997 Ford F-150 Pickup; 1997 GMC Sierra 1500 Pickup.

**TRAILERS:** 1998 American 48 ft. Tandem Axle Tool Van Trailer; 1995 DPEC Single Axle Generator Trailer; 2005 RDM 16 ft. Single Axle ATV Trailer; 2004 H & H 10 ft. Single Axle ATV Trailer; 1997 D & K 5-Ton Tandem Axle Reel Trailer.

**TRACTOR/FORKLIFTS:** 1991 Ford 7610 Utility Tractor; 1998 Caterpillar GP40 Forklift; 1995 Raymond EASIOPC30 Electric Forklift; 1980 Big Joe Electric Walk Behind Forklift.

**MISCELLANEOUS:** Pickup Box Toppers; Pickup Boxes; Meter Test Bench; Light Fixtures; Street Light Poles; Hoists; Tools; Much More.

**NEBRASKA PUBLIC POWER DISTRICT OWNERS**  
NPPD Contacts: Tim Piper 402-362-7331  
Travis Schweer 402-362-7219, Steve Dunkin 402-362-7203

- Custer Public Power District, 308-872-2451, Owners: 1996 International 4800 4x4 Digger Derrick Truck.
- Cornhusker Public Power District, 402-564-2821, Owners: 2001 FL70 Freightliner, 4x4 Chassis.
- Norris Public Power District, Owners: 2003 Ford F-350 Service Truck; 2002 Ford F-550 1-Ton Service Bucket Truck; 2001 Ford F-550 Single Bucket Truck; 1986 GMC Digger Derrick; 1987 GMC Dump Truck; 1976 Chevy Suburban; 1999 Ford F350 Super Cab Chassis; 1993 Evans-Plugge R705DB Pole Trailer.
- North Central Public Power District, Owners: 2004 Dodge Ram 1500 SLT Pickup Quad Cab.
- City of Aurora, 402-694-6992, Owners: 1992 Chevrolet 2500 4X4 Pickup; 1996 Ford F150 4X4 Pickup; 1990 Dodge D150; 1986 Chevrolet D30 Military Vehicle; 1986 Chevrolet D30 Military Vehicle; 1984 Dump Truck; 1979 Smeal 1000 GPM Pumper w/750 Gal Water Tank; 2003 Chevrolet ¾ Ton Pickup; 30' Tandem Trailer; Miscellaneous Items.

For additional info. and color photos, visit: [www.stockra.com](http://www.stockra.com)

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