

QUINTA COUNTY Connection

Local Rancher Installs Frostfree Nosepump for Livestock



Seven years ago, local rancher Kevin Fackrell set out to find a way to water his livestock without having to chop ice during the cold winter months. There was no electricity in the area where he needed the water and he wanted something low maintenance. So, after researching his options, he decided to try a Frostfree Nose Pump. He couldn't be happier with his decision because after seven years, the frostfree pump is still working great and he hasn't had to do a thing to it since he tightened the last bolt on it back in 2008. Even in the very frigid temperatures we had this year during the holidays, Kevin is happy to say he was not out chopping ice, and his livestock had all the water they needed.

Kevin received cost share assistance from the Uinta County Conservation District (UCCD) to install the Frostfree Nosepump. UCCD paid 50% of the total cost, which included labor and materials. The following information was taken directly from the Frostfree Nosepumps LTD website. To learn more about the materials needed, installation instructions and pricing, you can visit their website at www.frostfreenosepumps.com. To see a video of the nosepump in action from Kevin's ranch, visit UCCD's website at www.uintacountycd.com.

The Frostfree Nosepump is a very simple device that employs a mechanical piston pump to draw water from a relatively shallow water source in the ground below the frost zone to provide water for livestock year round. The pump is designed for large-bodied livestock such as cattle, horses, and bison, as the livestock actually pump their own drinking water on demand. The Frostfree Nosepump waterer works twelve months a year regardless of the temperature, and is protected from colder elements in a number of ways. The Frostfree Nosepump can be relied on to work even in the coldest of winters.

The device will easily accommodate up to 100 head per pump (50 pair or 100 head). Multiple units per well, will accommodate larger herds for livestock watering. It functions completely off grid and requires no power other than the energy expelled by the animal to operate the pump, and no heat aside from the geothermal heat realized from the ground. The design of this livestock waterer includes a small, enclosed trough with a lever apparatus that is pushed by the animal's nose. This is set on top of a culvert, set vertically into the ground to whatever depth is required to make use of the ground water or dugout level. An installation depth of at least 20' with a minimum 24" diameter culvert is required in order to capture sufficient geothermal heat. Adjustments in depth can be made for warmer climates. The nose-powered lever apparatus operates a piston pump which is suspended in the well – much like the old hand pumps. With provision for frost protection, the pumps work trouble free. Prevention of contamination of the water source is a major focus of this system. The design of the pump will prevent backwash, and the details of the system including a cement pad will prevent ground water contamination. The installation of a unit such as this is fairly simple and, with the exception of drilling the well or trenching from a dugout or pond, can be done by the farmer/rancher in most cases. The Frostfree Nosepump can be applied to almost all situations. In all cases, the objective is to install your wet well over the source or install a horizontal supply line from your source for it to supply your wet well (below the frost zone). This low cost, low maintenance, year-round watering facility can provide access to areas that previously were not considered for livestock watering because of the cost or unavailability of an energy source. It can facilitate winter feeding in non-traditional areas, swath grazing, and accessing remote pastures

For more information about receiving cost share assistance from UCCD for this or other ag or natural resource related projects, please give us a call, we would be happy to visit with you about your ideas to improve your operation! Don't forget to check out the video of the frostfree nosepump in action on our website!

Grant Funding Available

UCCD is once again offering six grants for projects related to conservation, natural resources, agriculture and education.

We know that there are many amazing ideas out there for conservation and natural resource related projects that could become a reality with a little bit of financial support. Most grant programs favor large projects that require complex technical designs and resources that are out of reach for most of us.

Our program is different because we favor small - but Great - conservation projects! In order to provide the greatest opportunity for projects to become a reality, UCCD is offering the following grants:

One - \$5,000 grant

Two - \$3,000 grants

Three - \$1,000 grants

The grants are open to any Uinta County groups or individuals including residents, landowners, businesses, service organizations, clubs, groups, scouts and any other entity or individual dedicated to the conservation of natural resources. If you have a project in mind but aren't sure if it will qualify, give us a call and we can talk about it. For more information and an application, visit our website at www.uintacountycd.com, give us a call at 787-3070 or send us an email; ksabey@bvea.net. **Applications are due April 11, 2016.**

APPLY TODAY!

Conservation Assistance Grants



1 - \$5,000

2 - \$3,000 3 - \$1,000



APPLICATION DEADLINE
April 11, 2016

Applications available online: www.uintacountycd.com
UCCD office: 204 East Sage Street, Lyman, WY-(307) 787-3070
Email: ksabey@bvea.net



POSTER CONTEST

Trees are essential for the survival of humans and other living organisms. Through photosynthesis, trees convert the Carbon Dioxide (CO₂) that mammals exhale into Oxygen (O₂) that we then breathe in. Although all plants perform photosynthesis, trees convert the most CO₂ to O₂ due to their large size. **Did you know* 100 trees remove 53 tons of CO₂ and 430 pounds of other air pollutants per year.*

1st Place \$100 2nd Place \$50 3rd Place \$25
Deadline May 5th 3:00 PM



The theme for the 2016 Soil and Water Stewardship poster contest is:

"We All Need Trees"

Trees are important in so many ways. They provide shade, protection, food, oxygen, wood and many other things that humans and other living creatures use everyday. In what ways are trees important to you? Put your thinking caps on and start planning the details of your poster now! Visit www.uintacountycd.com for the official rules and guidelines for the contest!!

Poster Contest Deadline:
May 5, 2016
Contact Briar Harris or visit our website for more details!





The Uinta County Conservation District offers classes once a month for children 4-18 yrs old. All lessons are structured to teach kids about agriculture and natural resources and will include information on a certain subject and a hands on activity to reinforce it. If you homeschool or have smaller children at home, this is a great opportunity for them to learn something new!

We are not a state or federal agency. We are a local district, led by a board of elected officials who live, work, and play in Uinta County and want to help the next generation understand what it means to be a steward of the land and how important agriculture is in providing the things we need everyday. Here is the schedule for 2016. All classes are held at 204 East Sage Street (Old Lyman Library) in Lyman.

2016 Schedule

January – Weather/Sno-tel

The younger group will be learning about weather. They will get to be a weatherman/woman. The older group will learn about Sno-tel. Why and how it got its start, why do we use it now, what instruments are used.

February- Soils

Learning about different types of soils is important. We will learn why soil is important and the older group will get to do some soil testing on some soil samples.

March- Erosion

Conservation Districts came about all because of a little event called the “Dust Bowl”. We will talk a good deal about history weaving it in with the science.

April-Soil to Salad

What are the parts of the plants we eat? Each child will get to make and eat their own salad.

May- Hairy Caterpillars

This lesson is about butterflies but the hands on activity is a popular one called “Hairy Caterpillars”.

August- Plant Identification

We will be looking at different classifications of plants, their flowers, leaves, stems and root system. We will be at a different location on this day. More information as we get closer.

September- Energy- Forms of

What are the different forms of energy? We will learn about how energy works. The older class will do some experiments on the different methods it takes to get energy to us.

October-Solar Energy

We will be learning about solar energy, how it is used and we will be making solar ovens and cooking in them.

November- Wind Energy

Another renewable energy, wind energy is also a way that we get our energy. We will be using experiments to show how wind energy works.

Visit our website for dates and times of scheduled classes in Bridger Valley and Evanston.

Please RSVP the Wednesday before each class so that I can get materials together. Thanks.

Briar (307) 787-3070 or bharris@bvea.net

 Looking For Precipitation Statistics?

Visit the Wyoming Snotel Site at:

<http://www.wcc.nrcs.usda.gov/snotel/Wyoming/wyoming.html>

Horse and Burro Coalition Launches 2016 Information & Education Campaign

Washington, D.C. — 4 January 2016 —The National Horse and Burro Rangeland Management Coalition (Coalition) launched a public information and education campaign to provide insights to the general public of the challenges excess wild horses and burros pose to western rangelands. The campaign aims to increase awareness of the need for better management actions to improve and maintain the health of western public rangelands for the benefit of wild horses and burros, wildlife, livestock grazing, and other multiple uses, as well as ensure the best use of taxpayers' dollars.

Brief informative videos will air on multiple outlets, including 9News in Denver, Colorado; the Coalition's website, wildhorserange.org; and numerous national organizations' social media sites beginning January 4, 2016. Currently, over 64,000 wild horses and burros roam public lands managed by the Bureau of Land Management (BLM) in ten western states, with an additional 47,000 currently residing in government-funded holding facilities at a cost of more than \$40 million annually to taxpayers. The BLM reports that the land available for wild horses in these ten states is only able to support a population of 27,000. Such overpopulation threatens the health of the entire ecosystem, and the health of the wild horses and burros themselves. Horses and native wildlife are suffering and even dying in various locations in the west because of the lack of sufficient food and water resources to sustain them. For example, in the Cold Creek Herd Management Area in southern Nevada in 2015 the BLM had to conduct an emergency gather to save area horses from starvation.

With a 20 percent annual population increase, nearly 130,000 wild horses and burros will be on the range by 2020. The Coalition believes such an increase will place even more horses and burros and native wildlife at risk as the overpopulation causes rangeland health to deteriorate beyond the point of recovery.

"Wild horses and burros are an iconic aspect of western North America. However, continued uncontrolled growth of horse and burro herds is threatening everything else that relies on healthy rangelands," says Keith Norris, Chair of the National Horse & Burro Rangeland Management Coalition. "Improved management actions are needed to ensure that horse and burro populations remain in balance with the ecosystem's ability to support them and all of the other uses of our public's rangelands."

The Coalition hopes this campaign will inform the public of this natural resource management problem and the need to remove the excess horses from the rangelands.

Please visit www.wildhorserange.org and email horseandrange@gmail.com for more information.

The National Horse & Burro Rangeland Management Coalition includes a wide range of sportsmen's, livestock, wildlife, and land conservation organizations and professional societies. Collectively, we represent over eight million Americans and focus on commonsense, ecologically-sound approaches to managing horses and burros to promote healthy wildlife and rangelands for future generations.

National organizations in the Coalition include American Farm Bureau Federation, American Sheep Industry Association, Masters of Foxhounds Association, Mule Deer Foundation, National Association of Conservation Districts, National Cattlemen's Beef Association, National Rifle Association, National Wildlife Refuge Association, Public Lands Council, Public Lands Foundation, Rocky Mountain Elk Foundation, Safari Club International, Society for Range Management, and The Wildlife Society.

NATIONAL HORSE & BURRO RANGELAND MANAGEMENT

COALITION

*Advocating for commonsense ecologically-sound approaches to managing horses and burros
to promote healthy wildlife and rangelands for future generations*

Order Seedling Trees and Shrubs Now!

The Conservation Districts seedling tree and shrub sales are well underway and not surprisingly, several species have already sold out. I know the ground is covered in snow and it's freezing cold outside, but now is the time to start thinking about that spring planting. So, grab a pencil and paper and of course our seedling order form, cozy up to that warm fireplace, and start planning out areas on your property that would benefit from a few trees and shrubs. Maybe you want to block the wind, or could use some shade in certain areas, or maybe you have noisy neighbors.....all of these situations can be helped by planting trees! If you aren't sure where to start, or maybe you aren't sure what will grow on your property, that is where we come in. Give us a call and we can help you with the design, species selection and other technical aspects of you planting plan. We are happy to come out on site to see what you've got, or you are welcome to stop in the office anytime! For the most current order form, visit our website at www.uintacountycd.com. The deadline to order is April 14th, but I wouldn't wait that long!

Seedling order
deadline:
April 14th, 2016

Tire Water Tanks Available from UCCD

The Conservation District ordered another load of rubber tire water tanks last fall and they are cut and available for purchase. The tanks are virtually indestructible and are a great tool for providing water to livestock and wildlife in areas where water isn't readily available.

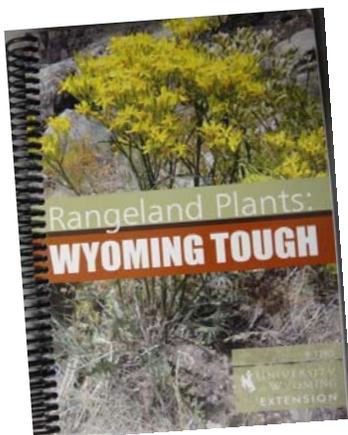
Below is a picture of one of the tanks that was recently installed in Uinta County with assistance from the Natural Resources Conservation Service (NRCS). For more information about NRCS programs, contact Jeff Lewis or Kevin Fackrell at 787-3211.



**12' diameter
1300-1500 gallons**

Total Cost: \$682.50

**Call UCCD at
787-3070**



UCCD has several copies of this publication recently put together by University of Wyoming Extension. It offers color pictures and descriptions of Wyoming's toughest plants.

Stop by and pick up your copy today!



SAGEBRUSH ECOSYSTEM CONSERVATION:

ALL LANDS, ALL HANDS

February 23-25, 2016

The Sagebrush Ecosystem Conservation:

All Lands, All Hands Conference will be held February 23 to 25, 2016, at the Hilton City Center Hotel in Salt Lake City, Utah. The Great Basin Consortium, the Western

Association of Fish and Wildlife Agencies, and Utah State University are co-sponsoring this conference to continue sharing the latest information and to plan for the conservation, restoration, and maintenance of resilient sagebrush ecosystems.

The conference will highlight and enhance the work of wildlife and land managers, scientists, students, private landowners and industry, and others to sustain healthy and resilient sagebrush ecosystems.

This is a great learning opportunity that is close to home! Registration is available through February 17th. Online streaming will also be available. Check out their website for more information: www.sagebrushconference2016.org.

UINTA COUNTY Conservation District

P.O. Box 370, 204 East Sage Street
Lyman, WY 82937
Phone: 787-3070
Email: ksabey@bvea.net

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CHANGE OF SERVICE REQUESTED

2016 "Red Books" are
still available!



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today!

SAVE THE DATE.

APRIL 18, 2016
FORESTRY BMP WORKSHOP
FOCUSED ON FORESTS & WATER QUALITY
ONE DAY WORKSHOP

The tentative plan is to spend the morning in the classroom and the afternoon on site looking at projects. More information will be available in the next few weeks as details of the workshop come together!



Uinta County Conservation District Board of Supervisors

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- Shaun Sims, Member
- Carol Hamilton, Associate Supervisor

District Staff

- Kerri Sabey, District Manager
ksabey@bvea.net
- Briar Harris, Education Coordinator
bharris@bvea.net

Natural Resources Conservation Service (NRCS) Staff

- Jeff Lewis, District Conservationist
- Kevin Fackrell, Soil Conservation Technician
- Ashley Simpson, ULTIMA

NRCS phone: (307) 787-3211
Office located in the Lyman Town Hall