



### Soil Health, Field Crop Tours Slated

BROOKINGS — SDSU Extension will be hosting several soil health and cover crop field tours this fall.

"These tours provide growers with firsthand information on management practices to enhance soil health as well as an opportunity to have their questions answered," explained Anthony Bly, SDSU Extension Soils Field Specialist.

During the tours, SDSU Extension staff and other industry experts will evaluate cover crops for beneficial soil health properties and forage/feed value for grazing livestock.

#### 2015 TOUR SCHEDULE

- Sept. 8 — Minnehaha County: Al Miron Farm, tour begins at 11:45 a.m. (25935 469th Ave, Sioux Falls, SD 57107) lunch is provided;

- Sept. 10 — Clay/Turner Counties: Southeast Research Farm Fall Tour begins at 8:30 a.m. (29974 University Rd, Beresford, SD 57004) rolls and coffee, and noon lunch provided;

- Sept. 14 — Lake County: Mustang Seeds, tour begins at 1 p.m. (1001 10th St SW, Madison, SD 57042);

- Sept. 15 — Brookings/Hamlin Counties: East Dakota Soil and Water Research Farm tour begins at 1 p.m. (20940 470th Ave, Brookings, SD) supper provided;

- Sept. 17 — Clark/Codington Counties: Kopriva Angus tour begins at 1 p.m. (41577 169th St, Raymond, SD).

More details will be released during Dakotafest.

Cosponsors and cooperators include: S.D. No-till Association, S.D. Soybean Research and Promotion Council, Millborn Seeds, Mustang/Coyote Seeds, USDA-NRCS, USDA-ARS, Southeast Research Farm, Northeast Research Farm and S.D. Soil Health Coalition.

To learn more, visit [www.iGrow.org/events](http://www.iGrow.org/events) and search by event date or contact Bly at [anthony.bly@sdstate.edu](mailto:anthony.bly@sdstate.edu) or (605) 782-3290.

### SE Research Farm Field Day Sept. 10

BROOKINGS — South Dakota State University's Southeast Farm Annual Fall Field Day will be held Sept. 10 near Beresford. The morning program will be a tour of area farms where producers utilize no-till, cover crops and graze cover crops in their operations. Lunch will be served at Southeast Farm.

Livestock research and production topics will be the focus of the afternoon program.

The program agenda includes:

- 8:15 a.m. — Coffee and Rolls at Southeast Farm (29974 University Road, Beresford, SD 57004)

- 8:30 a.m. to Noon — Tours of area farms including: Gary Andersen, Tim and Scott Wellenstein and Dick Nissen who utilize no-till, cover crops and cover crop grazing in their operations. These tours will be led by Anthony Bly, SDSU Extension, Soils Field Specialist.

- Noon to 1 p.m. — Lunch served at Southeast Farm; during lunch a discussion on Avian Flu will be led by Russ Daly, Professor, SDSU Extension Veterinarian, State Public Health Veterinarian.

- 1-30 p.m. — Attendees have several, livestock-related topic areas to choose:

- Soybean Council Swine Trial: Led by Bob Thaler, Professor & SDSU Extension Swine Specialist;

- Protein Quality and Feedlot Rations: Preliminary results — led by Derek Brake, SDSU Assistant Professor of Ruminant Nutrition;

- Grazing Management: Led by Warren Rusche, SDSU Extension Cow/Calf Field Specialist;

- Grazing Grass: Led by Pete Bauman, SDSU Extension Range Field Specialist; and

- Cover Crops: Led by, Elaine Grings, Assistant Professor & SDSU Extension Cow/Calf Management & Production Specialist and Peter Sexton, Southeast Farm Supervisor, Associate Professor & SDSU Extension Sustainable Cropping Systems Specialist.

To learn more, visit [www.iGrow.org/events](http://www.iGrow.org/events).

### Sheep Growers Assoc. Convention Slated

BROOKINGS — The South Dakota Sheep Growers Association 78th annual Convention will be held in Rapid City at the Best Western Ramkota September 25-26, 2015.

The convention begins Friday, Sept. 25 with tours to Center of the Nation Wool, New Generation Supplements, the Newell Sheep Yards, as well as the historic, Orwick Family Sheep Ranch.

The Orwick family will be hosting a lamb supper after a pasture tour of the prairie. Sept. 26 will include seminars and activities at the Best Western Ramkota, featuring speakers from the sheep industry, academia and sheep organizations; including: Lucas Lentsch, S.D. Secretary of Agriculture; Kelly Hepler, Secretary of S.D. Game, Fish & Parks; and USDA Under Secretary of Agriculture, Edward Avalos.

Topics include: new Veterinary Feed Directive (VFD), managing internal parasites, H2A workers and research updates. The Master Lamb Producer awards and highlights will be presented during the Saturday luncheon. Trapper of the Year and Shepherd's Award will also be announced during the evening banquet as well as the Make It With Wool finals.

A bonus tour will be held Sunday, Sept. 27. Transportation will be on your own. The tour will visit a Black Hills logging site and will focus on logging and pine beetle damage and management.

To register for the event visit the South Dakota Sheep Growers Association website ([sdsheepgrowers.org](http://sdsheepgrowers.org)) or Facebook page, or email [sdsheepgrowers@yahoo.com](mailto:sdsheepgrowers@yahoo.com). Completed forms can be mailed to Tammy Basel, 16079 Minnehaha Place, Union Center, SD 57787, or emailed to [tbasel@gwtc.net](mailto:tbasel@gwtc.net). Pre-registration is encouraged by Sept. 7, 2015.

If you are not currently a member of the S.D. Sheep Growers Association, attend and receive a discounted, one-year trial membership for \$35 and your Friday, Sept. 25 registration fee will also be waived. Current member dues are \$50.

### Couple Finds Promise In Cultivating Hops

PLATTSMOUTH, Neb. (AP) — A Plattsmouth couple has launched three separate companies to capitalize on every aspect of hops, from growing the crop to processing and packaging it.

Bruce and Annette Wiles celebrated Wednesday with a ribbon cutting ceremony at their Nebraska Hop Yards, which is on the site of a former golf club along U.S. Highway 75.

The couple is investing \$3.5 million in site improvements, construction of hops harvesting, drying and pelletizing operation and other buildings and equipment. The project is expected to create as many as 20 jobs.

Lt. Gov. Mike Foley attended the ceremony and said developing the crop strengthens the state's agribusiness profile. He called the Wiles' efforts an "exciting venture," adding that the state was happy to pitch in with a \$50,000 grant to help get them started.

The Nebraska Department of Economic Development grant was used to build custom mobile harvesting equipment. The couple also has applied for tax credit incentives for new and expanding businesses through the Nebraska Advantage Act.



PHOTO: RITA BRHEL

# On Animal Welfare

## What Should Be Part of Your Livestock First-Aid Kit?

*EDITOR'S NOTE: This is the second of a two-part series on livestock first aid.*

BY RITA BRHEL  
P&D Correspondent

As animal welfare becomes more of a hot-topic issue in animal agriculture, university Extension educators are counseling producers on ways to better handle veterinary care on the farm or ranch.

The first step is in recognizing when a veterinarian needs to become involved in treating an injury or illness. Once an emergency is identified, producers should then prepare the animal — and the environment — for professional care, through securing the scene and stabilizing the animal.

"First aid is those actions that address injuries and stabilize the animal until it can receive veterinary care," said Scott Cotton, University of Wyoming Extension agricultural systems educator in Casper, Wyo., during an online livestock first aid training hosted by the Extension Disaster Education Network (EDEN).

Cotton is chair-elect of EDEN.

The next step in emergency veterinary care of an animal is administering first aid by working out of a first aid kit made specifically for livestock.

Each first aid kit should be a little different depending on the farm or ranch, according to Cotton, including what specific animal species there are as well as specific challenges there may be at that facility, such as poor lighting in a pasture requiring a flashlight.

The basic first aid kit includes:

- Rope
- Towels
- Halters
- Disinfectant
- Gauze pads
- Feminine napkins, which are more useful with severe bleeding situations than even the biggest gauze pads

- Flex wrap bandages
- Saline solution or distilled water
- Scissors
- Tweezers
- Tape
- Butterfly bandages
- Hydrogen peroxide, which can be used as a wound disinfectant as well as to induce vomiting under a veterinarian's direction
- Veterinarian's contact information
- Thermometer
- Cell phone with camera capability, which can be used to send a picture of the wound to the veterinarian
- QuicKlot or Bloodstop
- Pliers or forceps
- Latex gloves
- Leather gloves
- Antibiotic ointment
- Barley cakes or other treats, which can be used to bribe animals into a treatment area or onto a trailer for transport

- Flashlight and batteries.

For producers who are more experienced in providing emergency veterinary care, other items can be added to the first aid kit. According to Cotton, the advanced first aid kit adds:

- Sterile scalpel
- Sterile suture kit
- Lavage tube
- Surgical staple gun
- Styptic powder or stick
- Topical analgesic
- Sterile needles and syringes
- Injectable antibiotic
- Tourniquet
- Sting wipes
- Hydrocortisone cream
- Cold packs
- Stethoscope
- Rectal thermometer
- Trocar, which is used to relieve bloating
- Activated charcoal
- Pain medication provided by veterinarian
- Oral bulb and syringe
- Diagonal cutters
- Hair trimmers.

General storage requirements for all livestock first aid kits is to avoid freezing, extreme heat and direct sunlight, Cotton said. It's important to have several first

aid kits on hand in strategic locations around the farm or ranch as well as in vehicles, and that everyone who lives or works on the property be trained in how to use the kits. Also, Cotton said, don't forget to refill items in the kit as they've been used or pass their expiration dates.

It's critical that producers know how to use the items included in their livestock first aid kits, and this may mean asking for training from their veterinarian, said John Duncan, veterinarian with the U.S. Department of Agriculture's Animal and Plant Health Inspection Service in Casper, Wyo. For example, improper use of a flex wrap bandage will cut off circulation, which would then lead to bigger problems than the original injury. And tourniquets should only be used as a last resort, with plans to transport the animal immediately to a veterinarian, because this first aid item is designed to cut off circulation as a last-resort way to stop severe bleeding.

"Know what to do before you need it," Cotton added. "Nervous hands make messy treatment."

Whenever working out of a first aid kit, disinfecting is of highest priority.

"Small wounds can become serious due to infection," Cotton said.

While may seem easier to leave it alone, any dirt or other debris must be removed from a wound and then the wound should be flushed with distilled water prior to bandaging, Cotton said. Then, there are different bandages for different wounds. A wet wound needs a dry bandage, whereas a dry wound needs an antibiotic ointment applied on the cleaned wound before the bandage is applied. Puncture wounds always require veterinary consult, as these are more likely to become infected by the nature of the

foreign object imbedding itself far into the animal's flesh.

In professional veterinary care, pain medication is often administered to reduce the animal's stress. Because pain medications are only available via a veterinarian, however, producers are less likely to have these on hand or to know when or how to use them. But, due to the animal welfare movement, pain control is increasingly becoming more of a trend in veterinary care on every level.

"Pain management is the most political issue that has the biggest effect on the comfort of the animal," Cotton said.

When determined as needed by a veterinarian, assuming the producer is in contact with his or her local veterinarian during an emergency veterinary situation, pain medication can be given to livestock. If a producer does not have pain medication on hand, Cotton said, producers should never apply an ointment or salve to heat or chemical burns without first talking to a veterinarian.

In the vast majority of emergency situations, the animal will have to be transported to the veterinary clinic for professional care. Hauling an injured or ill animal off the farm or ranch can be tricky, and producers may find that they need to build a special structure within the trailer in order to support the animal. When driving, producers need to ensure that the ride is as smooth as possible by taking the most direct route and driving slowly, especially around corners. And, as with every situation, Cotton said, producers need to first talk to their veterinarian before transporting an animal because not every animal will be in a condition where getting into a trailer is possible. "Above all, do no additional harm," Cotton said.

## PUBLIC AUCTION

**RANCH STYLE HOME WITH 36 X 48 STEEL SPAN HEATED SHOP ON .99 ACRES IN TURKEY RIDGE SOUTH DAKOTA 1949 CHEVY 4100 TRUCK - 99 CHEVY EXPRESS VAN GOLF CART - AC WD TRACTOR - MOWERS - HOUSEHOLD GUNS - GLASSWARE AT AUCTION**

As we have moved to Sioux Falls, we will offer our home and personal property for sale at public auction located at 44585 US Hwy. 18 Turkey Ridge, SD on:

**FRIDAY SEPTEMBER 11TH  
10:30 A.M.  
REAL ESTATE SOLD FIRST**

It is our privilege to offer this well kept and clean acreage located that offers an updated home, heated shop building, nestled in the scenic Turkey Ridge Valley surrounded by mature trees.

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- 1951 Ranch style home that in 1990 had a large addition added that creates a total of 1280 sq ft of living area on the main floor, 1056 sq ft dry concrete block basement that has a finished family room.
  - The home has updated custom built wood cabinetry, new shingles installed in 2013, B-Y rural water, and new drain field installed in 2008. Large Evergreen, shade & fruit trees and all new Pella windows installed in 1990.
  - Outbuildings include 36 X 48 insulated & heated shop with bathroom, 8 X 12 lawn shed, (2) 10 X 14 storage sheds, 12 X 32 single stall garage with large garden spot.
  - Current Assessed Value is \$105,100 with annual Real Estate Taxes of \$1,186.75.
  - Please visit web site or contact auctioneers for a buyers packet that contains the property disclosure, rooms sizes, and other pertinent information.

**TO VIEW THE PROPERTY:** To set-up a private showing contact auctioneers at 800-251-3111 or visit our web site [www.wie-manauction.com](http://www.wie-manauction.com) for pictures and a buyers packet.

**TERMS:** Cash sale with 15% non-refundable down payment auction day with the balance on or before October 12th 2015. Warranty deed to be granted with the cost split 50-50 between buyer and seller. Taxes to be prorated to the date of possession. Auctioneers represent the sellers only. Come check out all this property has to offer.

Auction Note: Real estate sells first. Truck, van, tractor & guns will sell at 1:30 p.m. Lunch on grounds.

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