Winter Issue 2016 Issue 22

HIGHLANDS OF THE HEARTLAND

Heartland Highland Cattle Association, 976 State Highway 65, Tunas, MO 65764 http://www.heartlandhighlandcattleassociation.org/ 417.345.0575

Letter from the HHCA President

By Jerry Delcour

Well it has been a decent winter so far here in the Ozarks. Hope everything went well with fall calving. We got all our babies here with no problems, even with 3 first calf heifers. We have a lot going on in the next few months. The deadline for calendar pictures is coming up soon, Feb. 15. We need lots of good pictures to pick from. Mark your calendar for March 5. for our annual meeting. I always look forward to seeing all the Highland breeders and trying to visit with all the new members.

The HHCA Highland Auction will be held Saturday, April 23rd at 2:00 pm at the Lebanon Livestock Barn. This new location will be much easier access for most people. Also great motels and restaurants only minutes away. We need all cattle there no later than 11:00AM to give us time to get them through the Vet chute and into their viewing pens. The barn does not have a cat walk, so it is very important that we have at least 2-3 hours for buyers to view the cattle and get to visit with the sellers. We will be at the barn at 1:00 pm on Friday for those who need to arrive the day before the sale. Several of us will be staying over night so the late arrivals can get taken care of. Just a reminder that if your cattle will be there on Friday you need to bring your own hay or feed. We

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will try to supply enough water tubs but it might be a good idea to include a couple of empty lick tubs just in case we are short. The deadline for all consignments is April 15. At this point we have about 40 consignments promised, so we will have to close the consignments when we reach 90 head. Be sure and get your pictures and information for each animal, especially registration numbers included in the bios. This year for the first time have a catalog available on request.

That's all for now. See you Soon, Jerry

2016 HHCA Scholarship Fund—Apply Now!!

The HHCA Scholarship was approved for the second year. The Board approved two \$500 scholarships this year for the winners. The scholarship application is available to any student or child of a HHCA member in good standing. We have had children of members help promote and educate people to the Highland breed as well as help with many of the fundraisers that promote the Highland breed and beef.

If there is someone interested in applying for the scholarship, please contact the HHCA at 417.345.0575 or email heartlandhighlandcattle@gmail.com or go to www.heartlandhighlandcattleassociation.org and download the application.

The application needs to be postmarked by Feb. 1, 2016 and the winner/s will be announced at the HHCA annual meeting on Saturday, March 5, 2016

Mark Your Calendars!

The HHCA annual meeting and gathering is coming up on Saturday, March 5th in Branson, MO at the Branson Towers Hotel. You may contact the Branson Towers Hotel at 417.336.4500 to make reservations. Just ask for the HHCA block of rooms. Standard 2 Queen Bed rooms are \$55.00 plus tax. Rooms will be held till Feb. 19th.

There will be a Meet & Greet on Friday night, March 4th for those who are coming in that evening. This will be held in the Table Rock Room beginning at 6:30 PM. Saturday, March 5th will begin at 10:00 AM with registration inside the Table Rock room and at 11 AM the first speaker is from AgriLabs and will speak on a

worming program using the VetGun. Then at noon there is a Highland beef luncheon. At 1 PM there will be a presentation on beef processing by Phillip Scritchfield and Jerry Delcour, both have been in the meat processing business.

The annual meeting will begin at 3 PM with election of a Board member and awards. After the annual meeting there is an introduction of all the members at the meeting. The evening banquet will be at 6:30 PM in the Gazebo Room.

There will be an official notification of the meeting by mail.

Block or Loose Minerals?

By Gary Digiuseppe/OFN publication

Producers must decide which is best for the nutritional needs of their herd

"The problem with trace mineral blocks is not what's in them; it's getting what's in them into the cow."

"The real problem with clocks is getting them to consume enough to be truly beneficial to the animal," Andy McCorkill, Regional Livestock Specialist with University of MO Extension, told Ozarks Farm & Neighbor. "There are some types of mineral blocks and tubs that are better than the old fashioned, red trace mineral salt blocks, but generally speaking a loose minerals the better option." He said several companies produce softer, more palatable mineral blocks and tubs that can do a better job of achieving the consumption levels needed to meet the animal's requirements.

It's important that cattle get adequate amounts of calcium, phosphorus, copper, zinc, manganese and selenium year round. McCorkill said when cattle are grazing standing pasture for most of their feed, the vast majority of their mineral needs are generally met by the grass they are eating.

Research done at the MU Forage Systems Research Station at Linneus, MO, showed that a 50-50 mix of loose trace mineral salt and calcium phosphate will meet the needs of the cow herd for most of the year.

"Through grass tetany season, the addition of magnesium oxide at the rate of one-fourth the mix

should be included," McCorkill said. "Magnesium oxide has a chalky, metallic taste that tends to deter cattle from consuming it, so to get over that it may be necessary to add some corn and dried molasses to the mix to sweeten it up a bit."

Dr. Shane Gadberry, UofAR livestock nutrition specialist, said the trace mineralized salt block does not do a very good job of taking care of mineral deficiencies, based on their lab's analysis of forage mineral composition.

"The majority of the content of that block is going to be sale," he explained to OFN. "Those blocks tend to contain a very low concentration of trace minerals. And the other thing that we'll often find on the tag is that they're using forms of trace minerals that aren't very available biologically to the animal."

For example, Gadberry said the produce uses copper oxide derivatives, the availability of the copper in it is only around 4 percent; with the cows only taking up an ounce from the block per day, that doesn't account for much copper intake.

With loose mineral, the problem may be overconsumption.

"Very good minerals aren't cheap so we may choose to put out a week's worth of loose mineral at a time," Gadberry said.

Welcome New Members

Alabama:

William & Jean Summers, Section, AL

Arkansas:

Terry & Ellen Jacobs, Gepp, AR

Craig Allison, Bentonville, AR sponsored by Chris Laye, Richland, MO

Daniel Mayo, Mansfield, AR sponsored by Kent & Jean Strahan, Marlow, OK

Preston & Karee Barrett, Springtown, AR sponsored by Jim & Helen Sposato, Lincoln, AR

Harold & Cassandra Lowry, Maynard, AR sponsored by Harold & Jann Ramey, Alton, MO

Illinois:

Dennis & Johanna Nagel, Baldwin, IL sponsored by Eugene & Virginia Shemonic, Mt. Vernon, IL

lowa:

Joyce Allender, Jefferson, IA sponsored by Linn & Dee Reece, New Providence, IA

Jonathon Overlin, sponsored by Clint Deardorff, Yale, IA

Kansas:

Gary Kerfes, Paola, KS sponsored by Kevin & Evia Carpenter, Kirksville, MO

Louisiana:

Keith Adcock, Minden, LA sponsored by Gary & Cindy Cheek, Fair Grove, MO

Missouri:

Andrew & Brianna Anderson, Willard, MO *sponsored* by Jerry Delcour/Janet Melton, Crane, MO Michael Martinez, Hollister, MO

Oklahoma:

Eric & Christy Guyer, Pauls Valley, OK sponsored by Kent & Jean Strahan, Marlow, OK
Joe & Jocelyn Harper, Cushing, OK
Johnnie & Sarah Brown, Hominy, OK

Tennessee:

Keith & Christine Fain, Clarksville, TN sponsored by Steve Stewart, Spokane, MO

Texas:

Michael & Jerri Pearson, Farmersville, TX Dick & Gail Reinap, Paige, TX

A sincere thank you to all the HHCA members who sponsored some of these new members. When they sold their Highland Cattle, they sponsored the buyer a HHCA membership. It is only \$15 to sponsor a new member. This sponsorship gives the new members info and networking with the Association and many other benefits. Please think about sponsorship when you sell your Highlands; it can bring repeat customers and broadens the Association audience.

Thank You Donors!

We wish to thank the following 2015 monetary donors for their generous offerings to the Regional Director, Lee Wolfgang Educational and Recognition and the Scholarship Funds:

Sarah & Tom Scott

Roger & Tracee Riley

John & Deb Jenkins

Dean & Becky Adams

Steve & Sue Dyke

Linn & Dee Reece

Darrell Henley

Clint Deardorff

Joyce Quinn

Carri & Michael St. Germain

Jim & Helen Sposato

Jim & Cheri Sieck

Ron & Phyllis Campbell

Rich & Jean Gruenert

Harold & Jann Ramey

George & Donna Sample

Kevin & Evia Carpenter

Phil & Donna Scritchfield

Don & Peggy McCallie

EI D:II

Thomas Dills

Larry & Kristi Andrews

Keith & Sherri Bakeman

Victor Meeker

Barny & Karisa Hattey

Gary Trevorrow

Heather Bailey

Randy & Chris Batz

Jon Fleenor

Block or Loose from page 2

"The solution can be to put out a white salt block, so the animal can satisfy its craving for salt when the limited mineral supply is gone. Salt should also be made available free-choice with molasses-based supplements, which typically don't contain that mineral; Gadberry said producers need to read the label on the molasses products. Loose mineral, he said, is the best way to address deficiencies.

"With the loose mineral, we're generally going to have a greater intake throughout the year than what we would have with the mineral block," he said. "The complete loose mineral will generally have major minerals at a higher level that what we want with the mineral block. Generally we're not going to find that block fortified with any decent level of magnesium or phosphorus, so that mineral block is not going to help us with grass tetany situations."

Trace mineral deficiencies can also be rectified with the new formulations of molasses licks, but Galberry said that is the most expensive alternative.

2017 HHCA Calendar Contest!

Thank you to all who purchased a 2016 Heartland Highland Calendar. WE SOLD OUT BEFORE CHRISTMAS. We sold 150 HHCA 2016 calendars. Great fundraiser!!!!!

After that being said, the Board of Directors voted at their midyear meeting in Sept. to hold another calendar contest for the 2017 Heartland Highland Calendar. We are so proud of our calendar, the beautiful pictures and members it represents. You all should have already received the information and calendar contest guidelines through the mail or email.

If you are interested in participating, please email only five pictures—with your farm name and your name in the e-mail. Send your e-mailed photos to Bryant Graphics at BILL@BRYANTBUS.COM. If you are unable to e-mail the pictures, you can send hard copy photos to the HHCA Secretary at 976 State Hwy. 64, Tunas, MO 65764. We hope to receive a number of pictures to choose from.

We had almost 300 pictures sent in last year and hopefully will have that many again this year. This calendar has gone all over the United States and two were sent to Canada this year. There have been members from other regions who have purchased our calendars also. **Remember, the contest ends on February 15.** We are looking forward to hearing from the printer that he received many photos.

I know some have been disappointed by not getting their pictures in the calendar, because some of them sent have been very good, BUT the printer needs high resolution images (250 dpi or greater.) It is difficult to choose among the pictures because the images have to be enlarged for the calendar. If the photo has a low resolution and the picture has to be enlarged, it is stretched and it sometimes looks like you have an elongated or oddly shaped animal, or the photo becomes pixelated and unusable. The printer did tell me that your cell phones pictures have higher resolution than some of the digital cameras five years old.

For the pictures we don't get to use, the printer chooses some of them to put on the open spaces on each month, they just don't have your farm name on it, but if you recognize it, you certainly can brag that you have your Highland on the calendar also. Some of the pictures are placed on the Highland notepads too. So many of you have had your pictures used.

Advertising for your farm in our calendar is an inexpensive investment. For \$25, you can place a business card (sized) ad on the calendar. There are 36 spots available, so please get them early. Many have already sold. E-mail or send Gloria the \$25 and a business card to HHCA.

Highlands Forever

By Susan D. Gordon

Prairie Grass Hill Farm is owned by Virgil & Susan Gordon of Orangeville, IL are members of the HHCA. Susan writes poems about their Highlands and has several published in the American Livestock Magazine. This is the most current poem written.

Highlands Forever

High atop a windswept hill Lie descendants of ancient Scottish cattle clans Nestled in green grasses and red-tipped clover As calves cavort amid eagle-eyed mamas And a stalwart bull stands on high alert As baby bull wannabes strut by. A kaleidoscope of colors wait in prairie fields Walking across grassy knolls and pastured meadows Asserting their noble regal spirits. Curving horns over solid backs, Stalwart bodies and sturdy constitutions Hair of red and silver, black, yellow, white, and dun Majestic tresses and curly locks waving in nature's wind Guarding against swirling snow and falling rain Catching summer sparkles and warming spring sun Bracing against sudden changes and long-lasting sieges Blazing beauty of a hardy royal breed Heartland Highlanders on display Robust cattle in command How blessed we are that some reside with us Here on Prairie Grass Hill © Susan D. Gordon

Scholarship Fundraiser!

Barn quilts were designed to encourage people to drive through the local countryside. Some define who lives on a farm by the family design or what their trade was.

This barn quilt is designed with the Highland's head in the center (the focal point) with the coat colors of the Highland quilted around the outside. Put this quilt up on your barn for all to see and they will know you are a lover of the "hairy" cows.

The barn quilt being raffled is a 2-ft. x 2-ft.; you can purchase 12 tickets for \$5 or 24 tickets for \$10

You can send money to HHCA and the raffle ticket studs will be sent back to you before the raffle which will be at the HHCA annual meeting on March 5, 2016.



Maintaining Nutrition

OFN Publication

Lower birth weights aren't always a good thing for cattlemen. It's not a new idea that cows' nutritionally deficient diets during pregnancy can affect their calves. However, recent research has shown light on just what those adverse effects could be.

"Cows or heifers not getting enough energy or protein in their diet in last pregnancy can cause slowed or reduced growth and development of the fetus inutero, which can result in light weight calves at birth," Dr. Allison Meyer, Ofo MO Assistant Professor of Ruminant Nutrition, said. "Although many producers may think low birth weight is a good thing, we want calves to reach the birth weight their genetics dictates. If calves do not grow enough prenatally, they can be less mature at birth, and have smaller organs."

Meyer said these smaller calves also usually have less brown fat, which is important for early heat production, and have less cold tolerance due to their greater surface area to body mass rations.

Meyer said the quality of the cow's colostrums can also be hurt by nutrient restriction during late pregnancy.

"Thin cows also are weaker at calving, and prolonged calving is not good for calf survival," she added. After birth, calves whose mothers have not been properly nourished in last pregnancy have demonstrated decreased growth, both preweaning and in the feedlot. Heifers have been less fertile, and carcasses from terminal progeny have been less likely to grade Choice. Calves from poorly fed cows can also have impaired immune systems, leading to more sickness and death.

The most obvious sign of dietary deficiency in a cow is a decline in the Body Condition Score (BCS), which is a measure of stored fat. The BCS declines as bones such as the backbone, ribs, hooks, pins, tail head and shoulder become more apparent. Meyer also said it's important during winter to take haircoat and fill into consideration.

"Often cows eat more hay or other feed when temperatures drop, and it can be easy to mistake fill for fat," she said. "Poor haircoats can signal nutrient deficiencies."

Mineral deficiencies can lead to other specific maladies, said Dr. Shan Gadberry, professor of animal nutrition with Uof AR Extension. "In situations like selenium, for example, we might be experiencing white muscle disease (nutritional myopathy) in newborn calves," he said. "In cows, there could be a nutritional imbalance that's associated with milk fever (post-parturient hypocalcemia), or a magnesium deficiency with grass tetany. If we have an extreme phosphorus deficiency, our cattle will be less thrifty, it's harder for them to maintain body condition, and our reproductive rates are very low."

Gadberry said these deficiencies can also contribute to what he called "sub-acute" production losses, performance declines with no visible symptoms of illness. "Copper, zinc and selenium all affect the immune system," he said. "Copper and selenium in particular can affect reproduction, so we may have subclinical deficiencies in trace minerals where we're having modest reductions in reproduction rates."

Behavioral signs are also indicators of poor nutrition. "If animals act very hungry soon after eating, are willing to eat moldy or otherwise undesirable feed, or eat strange things, they are likely missing nutrients," she said. "Pica—eating non-food such as rocks, bones and sand—can mean mineral deficiencies." The solution to all of these problems, she admitted, sounds more simple than it is—give the cows more, or better, feed. The producer could allocate hay supplies, feeding the lesser quality forage at mid-pregnancy, and then stepping up the quality in the final trimester.

Lice Infestations in Cattle

Lice are a common winter problem in cattle, especially in cold climates. Heavy infestations can rob valuable nutrition when cattle need it most, decreasing gain and leaving cattle more susceptible to disease.

Here is some recent information on lice control in beef cattle:

Doug Colwell, a livestock parasitologist in Lethbridge, Alberta, says two types of lice infest cattle, chewing lice and sucking lice. Chewing lice are probably the most common, but large populations of sucking lice are probably the most damaging.

All lice cause severe irritation and itching, causing cattle to react by rubbing, licking or chewing on themselves. Infested animals are often restless, focusing on their discomfort rather than eating. And, the broken skin that can result is an avenue for secondary infection, says Ralph Williams, a Purdue University entomologist.

Spread by direct contact

Lice are spread by direct contact; calves pick up lice from their mothers or herdmates. Lice can infest cattle all year round, but their numbers are typically low in summer because most lice shed off in spring with winter hair, says Jack Campbell, a University of Nebraska professor emeritus and veterinary entomologist.

Cattle's winter hair coat provides lice protection and an ideal environment for reproduction, he says. The life cycle is 20-30 days and the entire cycle takes place on the host, which makes lice an easier parasite to kill. Adult females attach their eggs to hairs, which hatch in 5-14 days. When the nymphs emerge, they look similar to adults, but smaller, and go through three molts within a week. They advance to egg-laying adults in about 14 days. Campbell explains that adult lice don't live very long apart from the host; nor do the eggs attached to hairs survive long in cold weather.

By March, longer days, more intense sunlight and the increased temperature will begin to crash lice populations, Colwell adds. "The lethal limit for lice is around 104°; the back of an animal in full sunlight gets warmer than that," he says, so they retreat to cooler places on the animal.

Treatment and control

Maintaining cattle on a high plane of nutrition is the first step in lice control. "You need to ensure they're healthy going into winter and well fed," Williams says. Healthy cattle in good body condition have more resistance to lice and rarely carry heavy loads, he adds.

Most ranchers treat for lice at fall weaning; in some regions, this treatment also gets the last of the horn flies, as well as grubs. Campbell says the ivermectin pour-on formulation is fairly effective against both chewing and biting lice, whereas the injectable formulation is not.

Lee Townsend, University of Kentucky Extension entomologist, explains that pyrethroid pour-on insecticides are effective against all types of lice, whereas the avermectins, moxidectin and eprinomectin (systemic products) mainly kill sucking lice.

"Fall treatment using a systemic product is very effective for sucking lice," Williams says. "For chewing lice, there are several brands of pyrethroid-based pourons that spread over the body via skin oil."

Spraying is an option, too, but doing so on cold days can stress the animal, he adds. When using a spray, it's important to wet the entire animal with high pressure to ensure both the skin and hair are thoroughly soaked.

Some pour-ons are systemic and are absorbed into the body to kill sucking lice, grubs and internal parasites at the same time. Systemic products that control external parasites (lice, ticks) and internal parasites (worms) are called parasiticides. Systemic products (either pour-on or injectable) must be used before winter to avoid adverse reactions due to death of migrating grubs, Williams says.

"If you fall-treat for lice and they recur later in winter, you can repeat the same treatment used in the fall," he explains. "But, if you didn't use a systemic product, you shouldn't use it later in winter if the herd has any history of cattle grubs," he adds. Dying grubs can create swelling around the esophagus or spinal cord. A non-systemic pour-on product for lice at that time would be safer.



Selling Registered, Unregistered, and Crossbred Highland Cows, Bulls, Calves & Steers



New day, New time, New Location! When: Saturday, April 23, 2016 Time: 2:00 p.m. Where: SW MO at Lebanon Livestock Barn

For information about the sale and consignment contact:

Jerry Declour 417.693.0858 • 417-369-0505 • hairycows@centurytel.net

HHCA 417.345.0575 • 417.733.3201 • heartlandhighlandcattle@gmail.com

www.heartlandhighlandcattleassociation.org • www.highlandcattleauction.com



You will find THIS belt buckle, along with dozens of other merchandise items at the HHCA Annual Meeting, March 5, 2016!

BUT, in case you cannot wait for the meeting, go to our website to purchase!

Board of Directors and Officers' Contact Information

Board of Directors

Year	Name	Location
2016	Christine Batz	Sac City, IA
2017	Steve Stewart	Spokane, MO
2017	Clint Deardorff	Yale, IA
2018	Harold Ramey	Alton, MO
2018	Keith Bakeman	Dadeville, MO

Officers

President Jerry Delcur

2387 Lane Branch Road Crane, MO 65633 417.369.0505

hairycows@centurytel.net

Vice President Blake Coble

13055 New Lake Rd. Henryetta, OK 74437

918.652.1411

coblehighlandranch@yahoo.com

Secretary/ Gloria Asmussen
Treasurer 976 State Hwy 64
Tunas, MO 65764

Tunas, MO 65764 417.345.0575

heartlandhighlandcattle@gmail.com

Check out the HHCA website!

www.heartlandhighlandcattleassociation.org

On the site you will find updated classified ads, membership page of new members, and the Events page with the Calendar of Events and pictures from the events.

This is a great place to get and give information about your farm and Highland cattle.

Use your FREE ad and get exposure and results.

Cut along line

Renewal or New Membership Application Heartland Highland Cattle Association

Name				
Address				
City		State	_ Zip Code	
Phone	_ Cell _			
E-mail Address				

Please remit \$25.00 *yearly* (12 *month*) *membership dues to:*

Heartland Highland Cattle Association 976 State Hwy. 64

Tunas, MO 65764

If you have any questions, comments or concerns, please contact the Secretary, Gloria Asmussen at 417.345.0575

Highland Beef & Onions over Rice from the Kitchen of Janet Melton

One Pound Highland Flank Steak Or Tenderloin Thinly sliced

3 Tbsp Liquid Aminos

3 Tbsp Low Sodium Soy Sauce

3 Small Packages Stevia Or 3/4 tsp Stevia

1/2 Tbsp Sugar

2-4 Green Onions chopped

2 Tbsp Minced Garlic

2 Tbsp Sesame Oil

1/2 tsp Black Pepper

Combine ingredients 2-9 in a small bowl. In a shallow pan/ low side pan you can spread meat out in and seal/cover. Combine Meat and your marinade. Pat flat in bottom of your pan. Cover and place in refrigerator overnight.

Next day saute 2-3 large chopped yellow onions in a Wok, skillet or a large deep sided skillet. Push onions to one side and place beef in. This cooks quickly on a medium high heat. Stir onions as meat cooks. Serve hot over rice, brown or white fried. We like a Brown Fried Rice that I make with Egg, carrots and green onion in it.

If you haven't noticed a lot of the recipes I make are going for lower sodium and lower sugar. The Liquid Aminos (low sodium tastes like soy sauce) can be found in health food and local grocery stores.

Congratulations to HHCA Junior Member Courtney Hutson of Shattuck, OK showing in the Denver NWSS this past weekend. She showed in the Junior Show on Thursday evening, Jan. 21 and in the Open Show on Friday, Jan. 22. In the open show she placed 4th, 5th and 8th. Great job!

Photo A. In the Heifer Calves Class Courtney showed SKH Jacqueline and won fourth place

Photo B. In the Senior Heifer Class Courtney showed FTA Kitty's Leah and won first place

Photo C. In the Yearling Heifer Class Courtney showed CBS Rhinestones Legacy and won second place



HHCA Classifieds

CHECK OUT ALL THE ADS ON THE HHCA WEBSITE AT <u>www.heartlandhighlandcattleassociation.org</u>
Use your FREE membership ad on the website classified section and in the newsletter, your ad will pay off. There are always SOLD signs being placed on ads.

Please note: only ads with livestock and/or beef for sale are listed on this page. To see <u>farm site</u> ads, please go to the website as noted above.

Arkansas:

5 yr. old reg. bull #51179 Anthony McCutcheon, Deer area, 870.428.5481

Illinois:

2015 calves, bulls \$600; heifers \$800 take your pick; quantity discount Ted Bone Stockton area 815.990.5625

lowa:

Assortment of unreg. & reg. yearling heifers and bulls, all colors, Randy Batz, Sac City area 712.662.7509

Highland steers avg. weight 875# Linn Reece, New Providence area, 641.497.5499

Pending registration yearling bull dob 3.21.15 Sarah Scott Waverly area, 319.352.0304

Kansas:

Reg. yellow bull #54705 dob 1.17.15 Glenda Larkins, Belue area, 785.556.0728

Highland/Angus Crossbred heifer; 2yr old, ready to breed Cameron Collins, Riley area 785250.0101

Maryland:

3 unregistered cows coming 4yr old. Pasture breed. Lee Carr, Millersville area 443.926.4284

Missouri:

For sale: 3 yearling Highland bull calves, wormed & worked, Steve Stewart, Spokane, 417.239.7052

Yearling white reg #53723 heifer, halter trained & docile Beauford Wilson, Columbia area 573.881.1442

Downsizing: selling unreg. cows, bulls, heifers Chris Laye, Richland area,573.765.0103 or 573.528.5129

Reg. red heifer dob 5.16.14 Blue Moon Farm, Marionville area, 417.489.0912

3 unreg. dun heifers (coming 2 yr. old) \$1400 each Don Pearson, Alton area 417.204.5402

White Highland bull (reg. pending) dob 3.31.14 & reg. heifer #54223, Carpenter Farm Kirksville area 636.544.1724

Dun reg. bull "Rowdy" #54404, dob 7.26.14 Heritage Hills Farm, Ava area, 417.543.8507 (farm cell)

4 yearling can be registered Highland bulls, Cheek's Farm, Fair Grove area 417.818.2255

Nebraska:

3 Unregistered Highland steers, 1400 lbs each, Grass fed/prime beef Beatrice area 402.223.4315 or 402.450.3572

Oklahoma:

Downsizing—Reg. cows with calves and reg. bull dob 9.15.14 Betty Kendall, Jay area, 918.787.6765

4 year old Highland steer, great display animal, Sean Ridgeway, Sand Springs area 918.260.2080

Tennessee:

2015 calves; 2 red heifers, 2 bulls, black & dun. All can be registered Dan Blandford Knoxville area 865.692.4215

Texas:

Reg. 3yr. old bull #52998 & two reg. offspring bulls dob 4.1.15 #54,472 & dob 4.18.15 #54473
Warren Berg, Gattesville area, 254.865.4049

Wisconsin:

2014 & 2015 heifers and 2015 bulls for sale, FT Acres, Burlington area, 262.539.3257; 507.582.1073

Coming 2 yr. old reg. bull #53973 Creachann Gleann Farm, Platteville area 608.348.4947

Heartland Highland Cattle Association

976 State Hwy 64 Tunas, MO 65764

Phone:

417.345.0575

E-Mail:

<u>heartlandhighlandcattle@</u> <u>gmail.com</u>

Hairy cows are the way to go!

We're on the Web!

Visit us at:

www.heartlandhighlandcattleassociation.org

Heartland Highland Cattle Assn. 976 State Hwy 64 Tunas, MO 65764

