

# HIGHLANDS OF THE HEARTLAND

Summer Issue 2015  
Issue 20

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

Life in June is good. Grass is growing, gardens are looking great. The only complaints I have heard lately is that we need a week or 10 days of clear weather to get the hay crop cut. The weather the week of the Highland Auction was great. We had a record setting sale with total sales of \$149,000. There was a good mixture of registered and unregistered cattle with enthusiastic bidders on almost every head. We saw a record sale of \$9,500 on a bull and \$8,000 on a cow.



We had record high sales on unregistered cows, both bred and open. Many of the cows were going into cross breeding programs.

Some breeders are already selecting cattle to consign for next years sale. Consignments will start early next year 2016.

I want to thank some of our breeders that brought cattle from long distances to help make our sale a success. It was exciting to see the various bloodlines of

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both bulls and cows. There was certainly something there for everyone.

We had a crowd of around 225 people pack the barn at sale time. I need to thank everyone who worked so hard to make the sale a success. We have a group of guys sorting and penning the cattle who work so well together to make things go smooth. A big thank you to the people taking pictures, selling HHCA items, and especially Gloria Asmussen for handling all the registration papers.

We will be setting times and dates for the 2016 Highland Auction soon. Plan a few days off and be there for what we hope to be another exciting sale.

Have a great summer.

## Mark Your Calendar (part 1)! Annual 4<sup>th</sup> of July HHCA Picnic!

The annual Heartland 4<sup>th</sup> of July picnic will be Saturday, July 4<sup>th</sup>, located in Northern Laclede county at Hwy. H Highland Cattle Ranch owned by Billy and Kathleen Bolch, Stoutland, MO beginning at 11:00 AM. **The picnic will start off with Andrew McCorkill, University Extension speaker and will present information on "bulls".** Please shoot us a quick email if you will be attending so that we can have the correct amount of "highland burgers!"

Our email is [bkbk@missouricom.com](mailto:bkbk@missouricom.com). We have plenty of room, so if anyone wants to come in the night before with a trailer or motor home, please let us know.

This is a pot luck picnic, so please bring your specialty: dessert, salads, and side dishes. We will provide the burgers and fixings, table service and water. Be sure to bring your own chairs also.

**See Directions and phone contact on Page 2!**

### Directions to Bill and Kathy Bolch's Farm, Annual HHCA 4<sup>th</sup> of July Picnic:

**From the West:** I44 to Lebanon, exit 129 - turn right onto Route 5 (South Jefferson) and follow north to Route BB - turn right onto BB and follow about 7 miles to the Intersection of Highways BB and Highway H. Turn onto Highway H and we are the first drive on the right - 23004 State Highway H Laclede County Lebanon, Mo.

**From the East:** I44 to exit 135 - turn right onto J, go about 1 1/2 miles to Route F (go over the RR tracks - follow to Highway BB turn right onto BB and follow about 5 miles to the intersection of BB & H - turn right onto H and we are the first drive on the right.

**From the South** - Follow Route 5 North to Highway BB as above.

**From the North** - Follow Route 5 South to highway BB - turn left and follow above.

We are a yellow house with a farmer's porch and a big pond in the front.

Phone number is 774.696.2343 or 774.696.2344; home 417.286.3540

## Mark Your Calendar (part 2)! Ozark Empire Fair and the SW MO Celtic Festival

### Ozark Empire Fair, August 5th

Gary Cheek will have Highlands on display at the fair and will be showing Highlands in the Open Class on *Saturday, August 8<sup>th</sup> at 2:00 PM* at the Noel Boyd Youth Livestock Facility. For more info contact Gary Cheek at 417.818.2255.

Hope to see you at the fair to help promote and cheer on the Highland breed.

### Get ready for the Celtic Festival

The SW MO Celtic Festival and Highland Games in Buffalo, MO are on *Saturday, September 12th*. This is our yearly fundraiser for the HHCA.

There are two food stands serving Highland beef, a Sweet Tent that sells Celtic treats, Highland coos on

display along with a booth that has merchandise available for sale, an archery and hatchet throwing area provided by a HHCA member, and the Putt Putt Golf game.

All these venues are fundraisers for the HHCA. Having all these venues at the festival means we need many volunteers. The Volunteer Director, Sybil Roberts, is getting ready to contact those of you who helped last year, but she always enjoys having new faces come to help as well.

So if you are interested in learning more about the festival and how you can support the HHCA, please contact Sybil at 417.489.0912 or email [sybil.campbell.roberts@gmail.com](mailto:sybil.campbell.roberts@gmail.com)

## Calving Summer Pneumonia

Calving season is nearly finished, and cow-calf pairs are out to grass. However, even though the herd is on grass, calves at this age are still susceptible to disease. Respiratory disease may challenge calves even if you've been vigilant in vaccinating the cows and the herd seems healthy.

Suckling calves on pasture are susceptible to respiratory disease, commonly known as "summer pneumonia," during July, August and September.

While the calf isn't facing most of the common stressors that cause disease — commingling, transportation, stress and confinement — certain weather conditions can cause problems. Warm daytime temperatures that contribute to heat stress, combined with cooler nights and lack of plentiful fresh water, can wreak havoc on their immune systems. This worsens in areas where warm temperature is

Please see *Pneumonia* on page 4

## Welcome New Members

### Illinois

Rod Roentz, Dow, IL *purchased at auction*

### Kansas

Dennis Shelton, Olathe, KS *purchased at auction*

Jacob & Christi Abel, Great Bend, KS *sponsored by Joyce Quinn, Almena, KS*

### Missouri

Stephen Jako, Roby, MO *purchased at auction*

Jerry & Shelly Eason, Seymour, MO *sponsored by Emauel Schwartz, Eldorado Springs, MO*

Dennis & Beth Caffey, Marshfield, MO *purchased at auction*

Adam Michaud, Marshfield, MO *purchased at auction*

Jerry Jared, Norwood, MO *purchased at auction*

Ricky Emmons, Poplar Bluff, MO *purchased at auction*

Steven or Rochelle Fuchs, Millspring, MO *purchased at auction*

Gary Hellman, Gerald, MO *purchased at auction*

Kevin Barlow, Mansfield, MO *purchased at auction*

Kimberly Kothe, Mountain View, MO

Jeremy McKenzie, Columbia, MO

### Nevada

Ronald L. Alsobrook, Las Vega, NV

### North Carolina

Bill & Kae Arrington, Green Mountain, NC

### Oklahoma

Myra Hunt, Quapaw, OK *purchased at auction*

Michael Bradford, Tuttle, OK *purchased at auction*

Jay & Cheryl Bednarek, Choctaw, OK *sponsored by Blake Coble, Henryetta, OK*

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. Sponsorship gives the new members information and networking within the Association as well as many other benefits. Think about sponsorship when you sell your Highlands.

## Junior News!

Hello from our Junior

I have been busy and tripping over my heels the past couple months from festivals to the next show and waiting for calves to hit the ground. That has been my experience for spring and early summer

My first festival was a blast and I had the chance to meet Corina & Mark Markarian of Wellston, OK (*see photos on page 8*). I had the opportunity to attend the Iron Thistle Festival in Yukon, OK with the Markarian's. I brought three Highlands and had quite the experience. Everyone there were taking pictures nonstop and asking questions nonstop. You had a five minute break between each crowd. Cori and Mark took our place when we left and they watched over all three animals so we could walk around and eat. They talked to the people who came around to see the Highlands too. It started at 9:30 and ended at 8:30PM.. We had a blast and I hope to attend it again next year.

My next event was we traveled to Austin, Minnesota for a Spring Classic Show. I got to see Sue Dyke and

other juniors and learned a whole lot about showing and placed 4<sup>th</sup>, 1<sup>st</sup>, and 3<sup>rd</sup>. I am happy with that.

Early this month I changed pastures and didn't get to see the Highlands for a month and boy do they look different now. They are taller and even more pregnant, losing their winter fat, and shedding off their winter hair for the summer. Now late this summer I am hoping to attend Ozark Empire Fair in Springfield, MO. Gary Cheek asked me to attend and I can't forget Gloria has asked me the past two years to go and I haven't been able to. So I hope to go there and see some of you at the Ozark Empire Fair in August. I am going to ask my parents about visiting farms as I find it very interesting on how other people do things. In early fall there will be a calf on the ground plus another round of shows and the cold winter. Have a nice summer.

Courtney Hutson  
HHCA Junior  
Sky High Farms

*Pneumonia from page 2*

combined with high humidity. The temperature swings, combined with dust, dry pasture conditions and declining maternal immunity, can result in stress and increased susceptibility to disease.

“To prevent pneumonia, it is important to vaccinate those young calves at spring turnout, or branding time,” says Dr. Jerry Woodruff, Professional Services Veterinarian with Boehringer Ingelheim Vetmedica, Inc. “The thought years ago was that these young calves didn’t have an advanced-enough immune system to respond to vaccines, but we’ve discovered that they do respond very well to vaccines at a young age.”

Dr. Woodruff adds that it is important to prevent disease during the summer months because it is more difficult to observe and treat while calves are on pasture.

Protecting calves against known causes of summer pneumonia, including bacteria like Mannheimia haemolytica, which is commonly found in the nasal passages of calves, is key to helping prevent respiratory disease. Viruses found in the cow-calf herd, such as IBR, BVD and BRSV, can also promote bacterial

infections in the lungs once the colostral antibodies diminish in the calf.

If your cow herd has already been vaccinated pre-breeding with a modified-live virus (MLV) vaccine, it is safe for some vaccines to use that modified-live virus vaccine on your suckling calves. Dr. Travis Van Anne, a Professional Services Veterinarian with Boehringer Ingelheim Vetmedica, Inc., recommends using an MLV vaccine in cows and calves, if possible, to help ensure a more complete immune response in the calf crop. Always follow label instructions.

“I believe a five-way MLV vaccine is needed in the spring. A vaccine like Pyramid® 5 + Presponse® SQ will give you coverage against BVD, IBR, PI3 and BRSV, as well as protection against Mannheimia haemolytica. This will help protect the calf against summer pneumonia,” Dr. Van Anne says.

He adds, “The shots we give at branding, or spring turnout, prime the immune system in that calf so when he receives the next vaccination around weaning time, he will mount a more complete immune response for the challenges he faces at weaning or at the feedyard.”

## 2015 Successful Highland Cattle Auction

The 4th annual HHCA Highland Cattle Auction was a tremendous success for 2015. Thanks to all the Highland breeders who consigned registered, unregistered, and crossbred Highlands; THANKS to ALL the bidders and BUYERS of these animals and a sincere Thank you to all the people who supported the auction.

MOST OF ALL, THANK YOU TO THESE PEOPLE WHO WORKED SO HARD AT PUTTING THIS AUCTION TOGETHER AND GETTING THE

ANIMALS ALL PENNED FOR EVERYONE TO VIEW; JERRY DELCOUR; HAROLD RAMEY; BLAKE COBLE; SEAN RIDGEWAY; CLINT DEARDORFF; RANDY BATZ; STEVE STEWART and DAVE EMBURY. These guys worked endlessly to make this auction work for all.

Thanks to Kathleen Collins and Kirsten Kosinski for taking photos, to Jerica Delcour for selling merchandise and to anyone else who helped out.

### HHCA WEBSITE UPDATE

As HHCA members, I hope you have noticed that you are not receiving SCAM/SPAM emails asking about Highlands for sale or other Highland questions. Our webmaster has produced a new program for our website and when your membership listing or sale items are listed with an email address, there is a “Click To Email” in place of your email address. Anyone contacting you has to fill out a form to contact you and they don’t get your email until you respond to them.

This program provides all members with more safety against scams/spams.

Be sure when you are filling out the form you do all of the items asked for.

This is another great benefit to belonging to the HHCA.



## Reducing the Stress

By Gary Digiuseppe reprinted from OFN

*Research shows that less stress on cattle improves profitability*

**Research proves it---placing less stress on cattle means money in your pocket.**

Dr. Tom Troxel, assistant director of the animal science at the Un of AR, stated a number of studies show that handling cattle calmly and quietly is extremely important to subsequent animal performance.

That means "getting cattle used to a handling facility, doing some of the simple things so cattle move easily through a handling facility so you can work them properly and vaccinate them according to Beef Quality Assurance (BQA) guidelines," he said. "Also, if you're involved with an estrus synchronization AI program, research has shown that any kind of stress during the time of artificial insemination breeding can reduce conception rates."

Troxel said that there are three points of emphasis in a handling facility where stress can be avoided. The first is getting cattle gathered from a pasture to a smaller pen or crowding area. Cattle can balk and turn back at that point, and it's important to condition them so they'll move smoothly to the sorting area. Second is preparing to move them single file down a crowding alley and into the chute. He said, "A lot of times in

modern facilities, they'll put cattle into a tub and work into a circular motion, into a crowding alley going onto a head gate. Once of the biggest mistakes that I'll see people make is getting too many cattle in the tub. When that happens, the cattle cannot turn around; then get crowded and forces in there, so they cannot move freely and move properly through the tub."

Finally, cattle will also sometimes balk as they circle towards the head gate. Troxel cautioned against leaving items like coats hanging in that area to block the animals' vision, or that can distract them with shadows or reflections. The alley should provide good footing so the cattle won't slip and fall, and excess noise should be discouraged; Troxel said, "Banging, clanging, whooping, hollering, or dogs barking will cause cattle to stop and hesitate, looking to see what it is before they enter the chute or heat gate."

Bob Schultheis, natural resource engineering specialist with the Univ. of MO Ext. Center at Webster County, offered a number of tips for constructing cattle handling facilities to reduce stress. Among the design features should be a 1 to 3 percent slope or grade to drain water away and prevent mud; durable, low maintenance fencing; a system that will funnel animals to a single file; closed-loop sorting, and allows for

Please see *Stress* on page 8

## 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](mailto:hairycows@centurytel.net)

**Vice President** Blake Coble  
 13055 New Lake Rd.  
 Henryetta, OK 74437  
 918.652.1411  
[coblehighlandranch@yahoo.com](mailto:coblehighlandranch@yahoo.com)

**Secretary/  
 Treasurer** Gloria Asmussen  
 976 State Hwy 64  
 Tunas, MO 65764  
 417.345.0575  
[heartlandhighlandcattle@gmail.com](mailto:heartlandhighlandcattle@gmail.com)

## Check out the HHCA website!

[www.heartlandhighlandcattleassociation.org](http://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

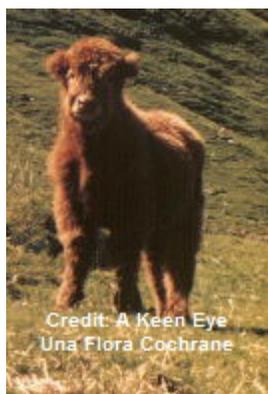
Tunas, MO 65764

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

## Crop Ear—What Does It Look Like?

Some HHCA breeders have asked about crop ear and had never heard anything about that gene, some breeders thought their calf had an ear frozen during the winter months. This is information on crop ear. For more info go to the website at [www.cruachan.com.au/bairnsley.htm](http://www.cruachan.com.au/bairnsley.htm)

Crop ear can best be described as a cosmetic defect found in Highland Cattle. It can be as little as a very slight notch in the ears through to severe “cropping”. Crop Ear creates a lot of discussion amongst Highland Breeders. Many breed to exclude it while others see it as a minor fault. Below are some photographs that demonstrate the visual effect that crop ear may take in some of its worst forms



Credit: A Keen Eye  
Una Flora Cochrane



Credit: A Keen Eye  
Una Flora Cochrane

*Crop Eared Calves*



*Calf with normal ears*

A study was carried out in Germany in 1991 on 548 Highlands on 108 farms. An abstract is published on the internet. Dr. Glen Hastie, a vet and Highland Cattle breeder wrote an article for The Australian Highland Cattle Society Newsletter which explains the findings from that abstract. The important genetic facts in this explanation are taken from the scientific paper referred to at the end of this article. The writers used information gathered from 548 stud book Highlands on 108 different farms in Germany.

### General

This research has shown that this ear defect is inherited by a single autosomal dominant gene, however there is incomplete dominance. 'Autosomal' means not sex-linked and 'incomplete dominance' refers to the fact that animals with the gene will show varying degrees to which they are affected. Some will be so severe that the external ear is barely recognisable and some so mild that the notch at the tip of the ear is barely noticeable.

The nomenclature that will be used in this article is the standard nomenclature that is used in all genetics. In this article we will call the gene for crop ear 'C' and the small letter 'c' will be the gene for normal ears. All animals will have two genes for crop ear, one derived from their dam and one derived from their sire. This is the same as all autosomal genes.

Only animals with two genes for normal ears ('cc') will have normal ears. An animal with one or two genes for crop ear ('CC' or 'Cc') will have crop ear. This is the case with all dominant genes. Crop ear is dominant over normal ears.

### Facts we can derive:

1. You should never get crop ear in a calf bred from two animals that are free of crop ear.
2. If a calf is born with crop ear, then at least one of the parents MUST have had a gene for crop ear ('C').
- 3.

**As I have just said, a crop-eared calf must have at least one parent with at least one crop ear gene (Cc or CC).** I am not saying that an animal with a crop ear gene will always have visible crop ear though. I think we can say that by far the majority of animals with a crop ear gene will have visually apparent or palpably apparent crop ear, but there are some circumstances where a calf will come from two apparently normal-eared animals.

Possible explanations for crop eared calves that come from supposed crop ear free animals include:

One of the parents has mild crop ear (a very small notch) that was not detected. Highlands with very mild crop ear will not be picked up purely on a visual basis. You need to palpate the ears very carefully or even clip the ears to be sure.

One parent has ears that are smaller than normal but they have no notches (this may be another variation of the Cc animals). This has been reported anecdotally to

Please see *Crop Ear* on page 8

*Crop Ear from page 7*

occur in animals that have crop-eared offspring. There is a very small percentage of animals with one gene for crop ear (Cc) that have normal ears (no notch and a normal size overall).  
 Incorrect parentage identification. Meaning that the recorded parents are not the real parents of the calf. A mutation in the calf's genetic make-up. This would

*Stress from page 5*

managing gate swing directions; and driveways designed to handle the largest trucks or trailers expected to be used. A safe and efficient access system should be installed for the veterinarian, which "makes them more willing to come back," Schultheis said. "A good system won't necessarily be a cheap system. Budget accordingly."

Schultheis also suggests ranchers should learn how cattle think. "They have a tendency to circle, in order to see other herd members and to see what is behind them," he said. "So use curves in the chute to keep them moving."

Cattle remember painful experiences, so the A.I. and squeeze chute should not be the same. They also can't judge distances well, so keep wire fences visible.

be possible but would be an extremely rare event for any mutation.

**Reference:**

'Inheritance of Crop Ears in Highland Cattle' by A. Scheider, P. Schmidt and O. Distl, Berl. Munch. Tierarztl. Wschr. 1994; 107: 348-352

Schultheis said the working alley should be no more than 28 to 30 inches wide to prevent the cattle from turning, and the holding pen should allow for 20 square feet per head to hold all or part of the herd. They alleys leading to the sorting pens should be 10 to 12 feet wide, and the lead-up alley and working chute should have curved sidewalls a minimum of five feet high with sloping/adjustable sides to match animal size, a 2-4 inch opening at the bottom, and should be at least 20 feet long to hold three or four head. The posts should be anchored at least 36-42 inches deep in the ground.



*Photos taken at the Iron Thistle Festival in Yukon, OK*

Attended by our Junior Member, **Courtney Hutson** who had Highlands on display and members **Cori and Mark Markarian** (see the article Junior News!, page 3)



## Summer Time Family Casserole from the Kitchen of Janet Melton

What you have on Hand

I like this because it can vary with some of the things you have on hand, out of the garden, and in the pantry.

One pound of grass fed Highland Ground Beef

3 Cups of coarse grated zucchini/yellow squash or mix of the two

1 large onion, chopped

2 large carrots, Coarse large grated

One can of condensed soup, 98% fat free, broccoli cheese. (you can use others cream of onion, nacho cheese, try different ones)

2 & 1/2 cups of instant Brown Rice

3 cups Water

8 oz colby jack cheese, shedded

1 tbs black pepper

1 tbs minced garlic ( fast already minced in the jar)

2 tbs onion pwd

grease/spray 13x9 pan

Cook Highland ground beef and set aside. Using same pan with a small amount of oil, cook onion and carrots until tender. While they are cooking, in a large bowl cook instant rice in a microwave until done 2 1/2 cups rice / 2 1/2 cups water.

In your 13x9 pan take 2-3 oz. of you cheese and sprinkle over the bottom of your pan. (remaining cheese will go on top)

Combine with onions and carrots the Highland beef, zucchini, soup, rice, remaining water, black pepper, garlic, and onion powder. Mix well.

Pour into 13x9 , it is ok to stir your cheese into the mixture. Sprinkle remaining 5-6 oz of cheese on top.

Cook for 35mins at 350 degrees .

You can have this in the middle of the winter also by freezing up 3 cups of zucchini or squash in quart freezer bags. Easy to pull out, thaw and add in.

### Semen buying SCAM!

**Be very cautious if you receive an email soliciting semen purchases. The Nebraska State Police and at least one Michigan postal inspector are investigating a semen buying scam that has targeted several Midwest Highland breeders.**

*A man named "Glen" sent inquiries (to an HHCA member) with peculiar wording, very typical of someone who is located in a foreign country*

*" Dear Sir/Madam,*

*Our farm require semen/embryo, let us know the available order so that we can further notify you with the and quantity that will be required.*

*Regards,'..*

**If you have any questions, please email Gloria for specifics.**

## HHCA Classifieds

CHECK OUT ALL THE ADS ON THE HHCA WEBSITE AT [www.heartlandhighlandcattleassociation.org](http://www.heartlandhighlandcattleassociation.org)

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 farm site ads, please go to the website as noted above.**

### Alabama:

2 yr. old ureg. Highland brindle bull, docile, from reg dam & sire. Email [jsalvago@att.net](mailto:jsalvago@att.net) 205.425.3636  
215.281.4406 Bessmer, AL

### Colorado:

White unreg. Highland bull dob 6-2013, good conformation, red yearling unreg. heifer, like to be brushed 11/2 hr NW of Denver; 970.531.1550  
[jlanson@rkymtnhi.com](mailto:jlanson@rkymtnhi.com)

### Kansas:

Reg. Highland breeding bull Cameron Collins, Riley, KS 785.485.2041  
[camisaboiler@yahoo.com](mailto:camisaboiler@yahoo.com)

### Mississippi:

Highland unregistered fold for sale, cows, calves and one bull 12 Highlands for \$10,000 Oxford, MS Mike 662.832.018  
Email [mike.mills.1956@gmail.com](mailto:mike.mills.1956@gmail.com)

### Missouri:

Unreg. white Highland bull and Cheek's Sunset Spanky, can be reg. Cheek's Farm Fair Grove, MO 417.818.2255  
[gary@williamsconst.com](mailto:gary@williamsconst.com)

Cedar Creek Cedric dob 3.19.14 red Highland yearling, halter trained, can be registered ; Preston, MO 417.722.1222  
[traceelriley@yahoo.com](mailto:traceelriley@yahoo.com)

Registered proven 4 yr.bull, Mike Ogle, Walnut Grove, MO 417.619.2661  
[dogle8@gmail.com](mailto:dogle8@gmail.com)

18 mo unregistered red heifer, Ava, MO Bryant View Highlands 417.683.2122  
[bryantview@centurytel.net](mailto:bryantview@centurytel.net)

Highland steers, located in Gerald, MO contact Gary 573.764.3702 email [cglvr@fidnet.com](mailto:cglvr@fidnet.com)

Powder River Longhorn Head & Squeeze Chute \$3000 Falcon, MO Kevin 417.664.2473

Yearling dun bull will be registered, good with children, Edwards, MO contact Linda 417.998.6018  
[lindasay111@gmail.com](mailto:lindasay111@gmail.com)

Unreg. yearling red heifer \$850 very docile Alton, MO Kirsten 417.778.6009 cell 417.224.7901  
[blackbellacres@yahoo.com](mailto:blackbellacres@yahoo.com)

Registered dun yearling heifer, Alton, MO Jann 309.251.4114  
[jannlr51@gmail.com](mailto:jannlr51@gmail.com)

Red Willow Ranch Reg. Highland Cattle and beef for sale Buffalo, [gwolfgang2005@yahoo.com](mailto:gwolfgang2005@yahoo.com)  
417.345.0575

C&C Highland Ranch, Reg., unreg Highlands and processed beef 573.528.5129  
[www.cchighlandranch.com](http://www.cchighlandranch.com)

### Ohio:

Yearling unreg. red heifer, Arcanum, OH Daryl 417.671.2042  
[fullpull1989@gmail.com](mailto:fullpull1989@gmail.com)

### Oklahoma:

Unregistered white yearling bull, Prague, OK 405.567.9300  
[melissa.nichols122@yahoo.com](mailto:melissa.nichols122@yahoo.com)  
Reg weanling bulls, Kristi Andrews, Red Rock, OK 580.723.4304  
[viviankandrews@gmail.com](mailto:viviankandrews@gmail.com)

### Tennessee:

Four unregistered Highland heifers for sale, Westpoint, TN 901.491.0183  
[topoftheworldfarm@gmail.com](mailto:topoftheworldfarm@gmail.com)

### Wisconsin:

Four T Acres Reg. Highland Cattle good bloodlines 262.539.2725  
[ftacres@tds.net](mailto:ftacres@tds.net)

## New Sale Items!

New and popular HHCA sale items...get yours!



**Heartland Highland Cattle  
Association**

976 State Hwy 64  
Tunas, MO 65764

**Phone:**

417.345.0575

**E-Mail:**

[heartlandhighlandcattle@  
gmail.com](mailto:heartlandhighlandcattle@gmail.com)

**Hairy cows are the way  
to go!**

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*We're on the Web!*

*Visit us at:*

[www.heartlandhighlandcattleassociation.org](http://www.heartlandhighlandcattleassociation.org)

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Heartland Highland Cattle Assn.

976 State Hwy 64  
Tunas, MO 65764



**Customer Name**  
**Street Address**  
**City, ST ZIP Code**