

# HIGHLANDS OF THE HEARTLAND

Spring Issue 2014  
Issue 15



Heartland Highland Cattle Association, 976 State Highway 65, Tunas, MO 65764

<http://www.heartlandhighlandcattleassociation.org/> 417.345.0575

## Hello from the HHCA President

By Greg Roberts

**Get your NEW HHCA t-shirt!**  
(See the Merchandise page on our website)

Sizes S-M-L are \$15 and the logo is on the front.

Sizes XL-3XL are \$20 and there is a pocket on the front with the logo on the back.



(Back of XL t-shirt)

The HHCA Logo CD is \$25 and is also available.

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## Mark Your Calendar: HHCA Auction, 17 April 2014

By Jerry Delcour, Auction Chairman

The third annual HHCA Highland Cattle auction has over sixty consignments. This is turning out to look like a good auction. I have received calls from people from LA, NE, IL, IA, and OK that are talking about coming to the auction TO BUY!!! Now so we have good weather?????

We really have a great assortment of Highlands consigned for this year. Look at some of those Registered bloodlines from the different states such as WI, NE, and OK--IMPRESSIVE!!

The unregistered Highlands are looking mighty fine also, coming from IN, IA, OK, and MO. We can be very proud of our members and also those who are not members of the HHCA for bringing their Highlands to

our auction.

This year we have Steers and Crossbreds too. There is going to be something for everyone.

Let's all come and BUY but if we can't buy, please come and SUPPORT the benefit the HHCA provides to all.

For those of you who plan on coming on Wed. to unload your Highlands, Jerry and Gloria will be there after 1 p.m.

Also anyone who needs motel accommodations, the Days Inn in Mountain Grove is only 9 miles from the sale barn. Their number is 417.926.5555.

Check out the Highlands at [www.highlandcattleauction.com](http://www.highlandcattleauction.com)

Hope to see you all there.

## List of Supplies and Equipment for Calving Time

Calving time is just around the corner, or maybe it's begun already. Do you have your supplies ready?

These lists will help you make sure you're prepared:

### Supplies and Equipment for Assisting Deliveries:

- Bucket (stainless steel or heavy plastic/rubber) for water + disinfectant
- Source of warm water
- Old plastic cup from the convenience store – use it to dip water from the bucket to clean up the cow
- Disinfectant, preferably cow-friendly (Nolvasan, iodine-based, etc. – get what your vet uses)
- Antiseptic soap (surgical scrub like Nolvasan scrub, betadine – get what your vet uses)
- OB sleeves
- OB lubricant – get what your vet uses, and have a lot on hand
- OB chains – better than straps or ropes for cleanliness. One long one with loops on each end works best
- OB handles
- Calf puller in good repair
- Head snare
- Bristle brush – for cleaning up equipment afterwards

### Supplies and Equipment for Getting the Calf Up and Going

- Old towels -- for cleanup and for rubbing calf after delivery
- Disinfectant for navel (iodine, etc. – on recommendation from vet)

- New syringes & needles for medication
- Tubing bag/esophageal feeder – one that can be thoroughly cleaned between calves
- Colostrum replacer (not colostrum supplement -- for emergencies when the real stuff is not available)
- Smaller gallon bucket for collecting colostrum or mixing colostrum/milk replacer powder – thoroughly clean after use.
- Wire whisk – makes mixing powder easy; thoroughly clean after use.
- Supplies and Equipment for Treating Baby Calves:
- Bottles/nipples or tubing bag/esophageal feeder – thoroughly clean after each use
- Milk replacer
- Syringes/needles for medication
- Medications/preventatives as outlined by your veterinarian (such as antitoxins, antibiotics, vitamin injections, etc.)
- Electrolyte powder for scouring calves
- Smaller gallon bucket for mixing milk replacer/electrolyte – clean after each use
- Wire whisk
- Ear tags, applicators and markers
- Elastrator bands
- Butane refills for portable dehorners
- 

Many of us raising Highlands haven't had to use some of this equipment listed, but it gives you an idea of what can be needed during calving time.

**Thank you for our beautiful welcome sign!**

**A sincere thank you to Allen Nuwer of Alton, MO  
for making the beautiful frame for the  
welcome sign that was raffled as a scholarship fundraiser.**

**Allen's generosity made for a very successful fundraiser.**

## HHCA Annual Meeting and Banquet

**The Heartland Highland Cattle Association Annual Membership Meeting was held on Saturday, March 1, 2014 at Branson, MO.**

The meeting was held at the Branson Towers, 236 Shepherd of the Hills Expressway, Branson, MO. It was a sleety, rainy, cold weekend and there was less attendance this year due to the severe weather, but nevertheless, the group of 45 attendees had a great time and learned much information from our two speakers.

Andy Humble from the MO Conservation Dept spoke on grasses. His presentation will be on the HHCA website page named Grass Presentation. The reception and registration followed at noon with food and beverage. At 1:30 PM was a presentation from the State Vet, Dr. Linda Hickam on health certificates and state transportation health requirements. The members learned about the requirements for transportation of animals across state line.

The HHCA annual membership meeting was held at 3:00 PM in the Table Rock Room with an introduction of officers and Board candidates preceding the meeting. The Board of Directors who were elected was incumbent Blake Coble and new Board member Steve Stewart.

Jerry Delcour presented the new 2015 HHCA calendar and announced the winner of the calendar front page to Zach & Heather Ruble of Pleasant Hope, MO. Glenn Young showed the

attendees the new HHCA t-shirts with the new HHCA logo. They looked very nice and sold well. Soon they will be pictured on the HHCA website merchandise page, along with the 2015 calendar and notepads.

The annual banquet was served at 6:30 PM with a Welcome from Pres. Greg Roberts and the Blessing by Dr. Alan Cameron. Following the dinner, Sybil Roberts named and presented all the volunteers a certificate of recognition. Jerry Delcour and Janet Melton presented the Lee Wolfgang Recognition Award plaque to John and Debbie Jenkins of Auburn, KS for their dedication to promoting the Highland breed as well as the Highland beef with their concession stands at many festivals throughout the United States.

This was the first year that the HHCA sponsored two scholarships for youths in the association. The winners of these two scholarships were Alison Batz of Sac City, IA and Emily Collins of Riley, KS. There were seven applicants for the scholarships this year and the judges stated it was very difficult to choose from this group. All the applicants have been and are involved in the raising of Highland cattle on their parents farms.

The evening ended with many of the members enjoying themselves sharing Highland stories and good times.

## Highland Cross-breeding

By Steve Stewart

Folks,

First of all, thank you for allowing me to serve on your Board of Directors of the HHCA. I consider it an honor. Driving home last night, my wife and I discussed the day. After we got home, I reflected on it some more. Doing so, I thought back to the past leadership of the HHCA and realized that myself (and everyone else on the Board), have big shoes to try and fill. Mainly, in Lee Wolfgang's.

From what I have heard and from what I have witnessed, Lee and Gloria brought these strange hairy

(that some thought wormy) cattle into this part of cattle country, and told cattle country to pay attention. I happen to be one of those that did.

I started out with Angus and Gelvys (striving for their British X Continental crosses). About that time, we moved off the original place and had to sell the goats. I hated to, as I liked how goats would eat what my cows didn't and saved me all manner of weed eating time. I wished for a cow that would eat like a goat, but would stay put like a cow. I

Please see *Cross-Breeding* on page 4

*Cross-Breeding from page 3*

ran across some articles about Scottish Highlands, then ran into Gloria at the 2004 Farm Fest and it started from there.

The reason I bring all that up, was some of the discussion on crossbreeding at the meeting. Being of Scottish ancestry, I love the Highlands for just that (and the brush eating). But, love don't pay the bills without a day job. But, could it eventually? I really think so.

In the scenario discussed at the meeting about a "cross breed registration" goal, I would use my registered Highland bull on Angus, Hereford, or Shorthorn cows. The why of that, is that I already have the registered Highland bull for my purebred Highland cows. So, I would prefer the few head "experiment", be the cow part of the equation. In this situation, I would probably pick a Shorthorn cow, due to their dual purpose meat/milk reputation. I've had Shorthorns in mixed commercial herds and Shorthorn milk sure seems to make a lot of calf pounds. If the goal for an existing Highland producer, is a Highland X whatever cross? That would be the way that I would go to do it on a small scale, while still raising primarily Highlands. In that situation, I would use the bull as the registered Highland.

On top of that; as I have done with folks (and as Gary Cheek suggested during a break, when folks see those crosses, you can market your bulls from the purebred side of your herd for low birth weight sires to put on heifers. Calve the females a time or two, then (as Gary said) eat the bull. Good idea from Gary. And, as I

always point out to folks; I always get more money out of a small live calf, than I did out of a great big dead one. But, is selling one bull what we really want, or a bunch of heifers? I would say both, depending on the buyer's situation?

But, I'm getting ahead of myself. Is just promoting the use of a Highland sire for heifers, really the best direction for us to ultimately go? And, to encourage others to go in crossbreeding? Especially for commercial cattlemen? For Highland breeders just getting their feet wet on crossbreeding probably yes. But ultimately, I don't think so.

A cow/calf operation consists of 1 bull, per several head of cows. Simple economics would tend to indicate that the female side of the equation should be the low cost, low input that a Highland can provide, and the high input breed performing the male side. In that situation, I would probably go with a low birth weight Angus bull, as I have already raised the results of that pairing, and really liked and profited at the sale barn from what I had. My Highlands had no problem calving. The calves they raised were;

- Bigger than the Dam, but smaller than the Sire.
- Feed intake more like the Dam.
- Black (which at sale barns now, means more price per lb.).
- Heifers were poled, while the bulls had short, 2 to 3 in. long loose, un-attached to the skull, horns.

Please see *Cross-Breeding* on page 7

## 2015 Calendar Winners!

Congratulations to all the 2015 HHCA calendar winners. Each month has a beautiful highland representing our HHCA members' farms. Thank you all for participating.

There were over 240 pictures from 34 farms. Great job! Next year it might be you so be sure to take photos throughout the year and send them in for the next contest.

### Cover: Ruble Farm of Pleasant Hope, MO

January: Hwy. H Horny Hairy Cow Farm, Stoutland, MO

February: Z Rock Farm, Eldon, MO

March: Ruble Farm, Pleasant Hope, MO

April: Red Oak Farm, Brownwood, TX

May: Highland Hills Farm, Bakersville, NC

June: Taylorhawk Farm, Deer, AR

July: Finley Falls Highlands, Nixa, MO

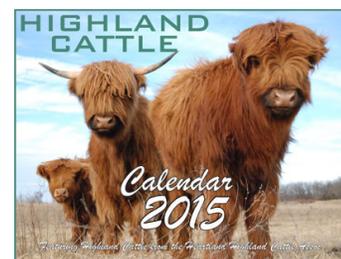
August: Honey Creek Highlands, New Providence, IA

September: High-Land Farm, Alton, MO

October: Red Rock Highlands, Red Rock, OK

November: Vintage Hill, Franklin, MO

December: Gleann Brook Acres, Hoover, AL



## Welcome New Members

### ARKANSAS

Paul Reagan/Lima Trust, Fayetteville, AR

### KANSAS

Dean Klentz, Clay Center, KS *sponsored by Troy Schroeder, Albert, KS*

Larry Wurtz, DeSoto, KS *sponsored by Troy Schroeder, Albert, KS*

### MISSISSIPPI

Matt Burton & Chris Rowley, Sandy Hook, MS

### MISSOURI

Anton & Stacie Noordeloos, Macomb, MO *sponsored by Al & Kirsten Kosinski, Alton, MO*

Corey & Rebekah Whitaker, Harrisburg, MO *sponsored by David & Ruth Embury, Willow Springs, MO*

Darrel & Mindy MtCastle, Cassville, MO *sponsored by Margaret Wilson, Lebanon, MO*

Duane & Tara Randle, Osage Beach, MO *sponsored by Chris Laye, Richland, MO*

Chad & Holly Buckwalter, Walnut Shade, MO *sponsored by John Brewer, Aurora, MO*

Deward & Mynette Ulrich, Branson, MO

### OKLAHOMA

Robert & Elizabeth Bousquet, Lexington, OK *sponsored by Robert & Dianne Smith, McCloud, OK*

### TENNESSEE

Bruce & Tiffany Wade, Clinton, TN, *sponsored by Joyce Quinn, Almena, KS*

Jeff & Debra Kelly, Portland, TN

### TEXAS

Brian & Carolyn Beddow, Tioga, 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. 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.

## Chris Laye Steak Cooking Tips

After thawing the steaks, pierce with knife point on each side (3x's should be enough)

### Soak in a brine for ~ 48 hours

We lay them flat in a metal covered cake pan.

Use the following brine mixing in a separate bowl:

1/4 cup of sea salt

1/4 cup of brown sugar

1/2 sweet onion then quartered

4 tablespoons of lemon juice

3 tablespoons of balsamic vinegar

6 cups of hot water

Pour the brine over the steaks, cover the cake pan and place in refrigerator

Pour the brine off the steaks and rinse. Marinade for 30 min, turning once; just enough to sit in the liquid without being submerged. Our marinade consists of Worcestershire sauce, liquid smoke, one stick of melted butter and Montreal steak seasoning.

### Cooking, Skillet Method

Prep with olive oil.

First sear the steaks in a skillet on med-high to high heat ~ 30-45 seconds on side

Turn the heat down to med-low

Cook 6-8 minutes on each side depending on desired "doneness".

### Grill Method

We use a charcoal grill but gas should work just fine.

Place the charcoal in a pile in the middle of the grill.

Light the charcoal and let burn till it starts turning white ash with a small flame just below the grill.

Sear the steaks for 30 seconds on each side. The melted butter from the marinade should make the grill flare around the steaks.

Move the steaks to an area on the grill where the circle around the outer edge of the charcoal.

Grill for 7 minutes on each side.

Remove the steaks and place them in the marinade for 5 minutes while covered to reabsorb the juices.

Enjoy the feast.

## Board of Directors and Officers' Contact Information

### Board of Directors

Year	Name	Location
2015	Troy Schroeder	Albert, KS
2015	Glenn Young	Tyler, TX
2016	Christine Batz	Sac City, IA
2017	Blake Coble	Henryetta, OK
2017	Steve Stewart	Spokane, MO

### Officers

**President** Greg Roberts  
 13177 Highway T  
 Marionville, MO 65705  
 417.744.1928  
[sybilcampbell-roberts@netzero.net](mailto:sybilcampbell-roberts@netzero.net)

**Vice President** Jerry Delcour  
 2387 Lane Branch Road  
 Crane, MO 65633  
 417.369.0505  
[hairycows@centurytel.net](mailto:hairycows@centurytel.net)

**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.

The website receives over 182,000 hits during the month of March 2013! 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

## Beef Schnizel from the Kitchen of Sybil Campbell–Roberts

### Ingredients

- 5 thin-cut Highland minute steaks (thin cut steaks will work also)
- 50g plain flour
- 2 tsp paprika
- 2 eggs, lightly beaten
- 250g dried breadcrumbs
- 5 tsp butter
- 5 tsp olive oil
- lemon wedges, to serve

### Method

1. Stretch a piece of cling film over a chopping board, lay the steaks on top of it, then put another piece of cling film on top. Use a rolling pin to bash the steaks until they are really flat and thin.
2. Mix the flour and paprika with some salt and pepper on a plate. Put the egg and breadcrumbs on two more plates, then dip the steaks into the flour first, then the egg, then the breadcrumbs.
3. Heat 1 tsp of butter and 1 tsp of oil in a large frying pan, then cook one of the schnitzels for about 1 min on each side until the breadcrumbs are golden and crispy. Repeat Step 3 for the other schnitzels. Serve with lemon wedges, salad and coleslaw, if you like.

### Cross-Breeding from page 4

I re-bred the offspring of that original cross to itself, and got the same results that I had with the original cross. The resulting cattle from what started out as a Highland cow X Angus bull cross, gave me a black, polled (or same as), stocky, low feed consumption animal, that still brought some of the best prices per lb. received that day at the sale barn.

Of course, you will have all these (around here) traditional breed/commercial cattlemen, holding court at the coffee shops, and bragging that they took this or that animal to the sale barn yesterday, and got a really big amount of money for them. I like to ask; But how much did you have in them to get that that animal to that weight? The reply is generally- what?

Getting \$2000 out of a cow/calf pair is impressive. So is 75 cents a lb. for fat killer cows. But, what did it cost to achieve that? So what if you get \$2000 at the terminal end, if you had to spend \$1900 or more getting them there over the life of that cow/calf pair? Impossible? They should try adding up

- The extra initial cost for the best pasture land?
- The extra taxes on prime ground?
- The cost for lime, fertilizer, seed, labor, ect. to keep it that way?
- The extra per head original cost for larger animals?
- The extra hay, feed, mineral, vaccine costs for larger, less hardy animals?
- The synchronization costs for AI?
- The cost of AI?
- The cost of a clean up bull?

All the time spent in late Jan./early Feb, checking, birthing and trying to save the calves that you want to be the biggest and get the best price for per head at sale time?

Some of these folks should try adding all that up? My old Scots ancestry Grandpa told me one time; Son, it's not what you make, it's what you save. I think he was right. So what if you only could get \$1000 out of your cow/calf pair? If when doing so, you are able to only have \$750 in them? I would say that you are better off in investment vs. return, than all the movers and shakers spending the most, while thinking that they are actually getting the most. It's the old- mine's the biggest, fastest, whatever, argument? It's not the gross that should matter, as much as it should be net. "It's not what you make, it's what you save."

I tend to get a bit wordy, but the above is what I am seeing. Each person's situation is different though. But one of my old cattlemen mentors that I used to partner with told me one time; "I've made a whole lot more money on small cows, than I ever did those great big ones. They eat less, and will end up making you more." I think him and Grandpa were right.

Based on some of the discussion Sat, all of this would be a suggestion of mine for the HHCA to look into; Highlands being promoted for crossbreeding. I am convinced that we have the best foundation breed for the most profitable (expense vs. return) cross breeding program available. But, we don't market ourselves that

Please see *Cross-Breeding on page 8*

## Thank You!

THANK YOU to all who donated Highland beef entrees and side dishes for the HHCA annual meeting luncheon reception. The food was delicious.

A HUGE "thank you" to Sybil, Sherry, and Janet for setting up and cleaning up the luncheon, to Kathleen for manning the merchandise sales, and to Jann and Randy for greeting attendees and selling raffle tickets at the check in table. It is greatly appreciated.

## Grass Tetany

Grass tetany is a serious, often fatal metabolic disorder characterized by low levels of magnesium in the blood serum of cattle. It is also called grass staggers and wheat pasture poisoning. It primarily affects older cows nursing calves less than two months old, but it may also occur in young or dry cows and growing calves. It happens most frequently when cattle are grazing succulent, immature grass and often affects the best cows in the herd.

High nitrogen fertilization reduces magnesium availability, especially on soils high in potassium or aluminum. Grass tetany occurs most frequently in the spring, often following a cool period (temperatures between 45 and 60°F) when grass is growing rapidly, but also is seen in the fall with new growth of cool season grass or wheat pastures.

Typical signs of grass tetany begin with an uncoordinated gait and terminate with convulsions,

### *Cross-Breeding from page 7*

way. We sometimes I think, get just as hung up on ourselves, as the National does with all their promotion of these poodle shows for cows? Yes, we need to keep the registered and purebred Highlands going and available. But, some show and tell concerning crossing with some other breeds, might not be a bad idea either? That is why I would encourage us to be agreeable to nominal fees and minimal aggravation, for the registration of Highland crosses. I see it as an overall win/win for us.

On the flip side of that, I can also fully agree with the folks that expressed displeasure over the National Association's seeming disdain for Highlands that are only purebreds. It is going to take all producers to make Highlands a viable part of the equation. At one time, I built houses, so I will use an analogy from that: I see registered Highlands as the solid foundation. Purebreds (while just as solid) as the cheaper framing and roofing materials built on that foundation to

SINCERE THANK YOU TO THERESA THOMPSON for donating a set of embroidered Highland towels for the Door Prize. Theresa & Tom did not attend this year due to the winter storm weather, but she sent the winner, Johnny Brown the towels.

ALSO A HUGE THANK YOU to those of you who DONATED the items for the Silent Auction. It was nice to see the bidding go higher and higher.

coma, and death. Animals on pasture are often found dead without illness having been observed. Evidence of thrashing will usually be apparent around the cow if grass tetany is the cause of death.

The prevention of grass tetany depends largely on avoiding conditions that cause it. Graze less susceptible animals on high risk pastures. Steers, heifers, dry cows, and cows with calves over 4 months old are less likely to develop tetany. The use of dolomite or high Mg limestone on pastures and including legumes in pasture mixes will decrease the incidence of tetany in grazing cattle. In areas where tetany frequently occurs, feed cows supplemental magnesium. Supplementation increases blood magnesium levels and alleviates much of the grass tetany problem. Adequate amounts of magnesium must be consumed on a daily basis.

provide the basic structure. The other breeds could provide the infill (based on the herd builder's preference). Infill can range from starter home to mansion, but there should not be much difference in the foundation and framing of either.

To me, it seems like Lee and Gloria were the ones most instrumental in bringing these Highland cattle into this part of the country. I think that we should follow their lead and work towards start trying to mainline them into commercial cowherds, for the low cost benefits that they could provide. Dr. Cameron no doubt could explain the benefits of heterosis better than I, it is something that I think we don't recognize enough. While I can understand people that are solely registered Highland breeders, not seeing the market in this, I think those of us who raise the purebred Highlands, should really give using and promoting Highlands for cross breeding a look.

## Annual Meeting Program

Andy Humble, Private Lands Biologist with the Missouri Department of Conservation presented an excellent program on the pros and cons of fescue and other introduced grasses versus native grass. He is particularly well qualified because, in addition to being a professional wildlife biologist, he also operates a small family cattle operation.

There is no question that native grass is better for wildlife, especially upland birds like quail. It is accepted that the decline of quail numbers over the last 40 years was caused mostly by converting native grass to fescue for cattle production. Fescue is a monoculture with little diversity to provide brood rearing cover for birds. In addition, it gets so thick at the ground level that young chicks can't move through it. In the 1800's about one-third of Missouri was in native grass. Now much of that grass has been converted to cropland and nearly all the remaining grass converted to fescue or smooth brome.

Early university research showed that fescue provided many benefits to cattle. Being a cool season grass, it greened up early in the spring and again in the fall. It provided a lot of forage even in dry years and was very tough, tolerating heavy grazing. In the 1970's the conversion epidemic started and most of the native grass was gone in 20 years.

Now however, we have discovered several problems with fescue, typical with a lot of non-native plants we have introduced. In addition to the wildlife issue mentioned above, fescue can also be a problem for cattle. The issue is an endophyte toxicity cause by a fungus which produces alkaloids. Symptoms may include foot problems, rough hair coat, lowered gains and lowered reproductive rates. Not all fescue is endophyte infected, but it has spread rapidly because the infected plants have a growth advantage over non-infected plants.

In spite of the problems there may still be a place for fescue on the ranch. Native grasses are warm season and green up late, provide maximum forage in mid-summer and then go dormant early. Fescue can

provide forage at times when native grass is not available. Thus, it would be good to have both types of forage available to provide season-long grazing. There are also ways to manage fescue to dilute the toxicity affect. One is to add a legume such as clover or alfalfa. Another is a switch to rotational grazing, especially removing cattle in summer and a switch to non-infected forage for a time will lessen symptoms.

The process of converting fescue back to native grass is expensive (estimated \$150/acre) but probably worth the cost, at least on part of the ranch. Native grasses are very nutritious providing high protein forage and yield 2-3.5 tons per acre. Species planted in a native mix include: big bluestem, indian grass, switch grass, sideoats grama, little bluestem and eastern gama grass. In addition, many species of forbs (wildflowers) are included in the mix to mimic native prairie. The forbs provide benefits for cattle, wildlife and pollinators.

The conversion process includes: 1. Mow in August; 2. Spray with roundup in early fall (Sep15-Oct 15) when plants are 3-4 inches tall; 3. Burn in spring if possible; 4. Re-spray with roundup in spring when plants are 3-4 inches tall; 5. After 7 days, seed native grass with a no till drill. A less effective method would be to disk lightly, broadcast seed and roll after seeding. Native grass cannot be planted more than one-half inch deep.

There is often cost-share available from USDA or MDC to offset the cost of converting to native grass. Contact your local USDA office for information. Be sure to tell them that you want to convert to native grass and don't let them talk you out of it. Some of these folks are not sold on the practice yet.

Andy Humble is located in Ozark, MO and can be contacted at (417) 581-2719, ex 121 or [andy.humble@mdc.mo.gov](mailto:andy.humble@mdc.mo.gov). It is his job to help private landowners improve wildlife habit on their land of which native grass establishment is a major part. There are other similar folks around the state and in other states willing to help you.

## 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.

### Alabama:

Glenn Brooks Acres  
[info@gb3highlandcattle.com](mailto:info@gb3highlandcattle.com)  
 205.432.9531  
 Scottish Highland Cattle  
[www.visitkatiefarms.com](http://www.visitkatiefarms.com)

### Iowa:

Reg. black Highland heifer #52556  
 Waverly, IA 319.269.9596  
[scottscows@aol.com](mailto:scottscows@aol.com)  
 Unreg. 2 yr. old Highland heifer Yale,  
 IA 406.600.4236  
[clintdeardorff@yahoo.com](mailto:clintdeardorff@yahoo.com)

### Kansas:

Reg. Highland heifers #51833 & #51835  
 2 Highland Steers Almena, KS  
 785.871.0213 [quinson@ruraltel.net](mailto:quinson@ruraltel.net)  
 Unreg. Highland 3 yr. old cows,  
 yearling heifers and bulls Smolan, KS  
[1scythian@gmail.com](mailto:1scythian@gmail.com)  
 Downsizing so have Reg. cows, bulls &  
 calves for sale Albert, KS  
[troyas@gbta.net](mailto:troyas@gbta.net) 785.650.3182  
 OzHighland Farm Reg. & unreg.  
 Highland cattle  
[www.ozhighlandfarm.com](http://www.ozhighlandfarm.com)  
 785.256.7920

### Louisiana:

Scotland Farms of Louisiana  
[alancamvet@alo.com](mailto:alancamvet@alo.com) 318.371.1781  
[www.scotlandfarms.com](http://www.scotlandfarms.com)

### Mississippi:

(2) three year old Highland bulls  
 Oxford, MS 615.319.2710  
[ajoemcclan@me.com](mailto:ajoemcclan@me.com) or  
[joe@kessingerrealestate.com](mailto:joe@kessingerrealestate.com)  
 Valley Farms Oxford, MS email  
[valleyfarmshoney@gmail.com](mailto:valleyfarmshoney@gmail.com)

### Missouri:

Highland/Jersey cross heifer, Ava, MO  
[kat.collins@theheritagehills.com](mailto:kat.collins@theheritagehills.com)

Finley Falls Highlands offers LEA Finn  
 reg. 48222 Seymour, MO 417.528.0100  
[roncampbell8@msn.com](mailto:roncampbell8@msn.com)  
 18 mo. Reg. Highland bull #52543  
 Kirksville, MO 636.544.1724  
[kevinc@carpenter-farm.us](mailto:kevinc@carpenter-farm.us)  
 Unreg. 2 ½ yr old Highland bull  
 Stoutland, MO email  
[hwyhphappyhairycowfarm@gmail.com](mailto:hwyhphappyhairycowfarm@gmail.com)  
 417.286.3540

Reg. weanling Highland heifer  
 Dadeville, MO Laughing Sun Ranch  
 417.995.2002 [laughingsun@keinet.net](mailto:laughingsun@keinet.net)  
 Reg. bulls and heifers different ages  
 Eolia, MO Thistle Hill Plantation  
 contact Bruce 314.739.0001 636.290.1458  
 Unreg. bred cow and 18 mo. Old yellow  
 bull Ava, MO

[bryantview@centurylink.net](mailto:bryantview@centurylink.net)  
 2 Reg. Highland breeding bulls Lone  
 Jack, MO 816.697.8810  
[khattey@gmail.com](mailto:khattey@gmail.com)

Cheek's Smokey Sunset reg. bull  
 dob2/25/13 Fair Grove, MO  
 417.818.2255

Wanted Highland cattle ready to  
 process for beef contact  
[cchighlandranch@yahoo.com](mailto:cchighlandranch@yahoo.com)  
 573.528.5129

Cheek's Sunset Sambo Fair Grove, MO  
[gary@williamsconst.com](mailto:gary@williamsconst.com) 417.818.1515  
 Reg. & unregistered Highland bulls,  
 different ages and colors  
[cchighlandranch@yahoo.com](mailto:cchighlandranch@yahoo.com)  
 573.528.5129

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

Black Bell Acres Highland cattle  
[www.blackbellacres.com](http://www.blackbellacres.com) 417.778.6009  
 C&C Highland Ranch, Reg., unreg

Highlands and processed beef  
 573.528.5129

[www.cchighlandranch.com](http://www.cchighlandranch.com)  
 Jack's Cattle Co. Reg. Highland Cattle  
[www.jacksattle.com](http://www.jacksattle.com) 816.697.8810  
 Vintage Hill Reg. Highland Cattle  
[www.vintagehill.com](http://www.vintagehill.com) 660.537.3906  
 High-Land Farm Reg. Highland Cattle  
 Alton, MO 309.251.5832  
[jannlr51@gmail.com](mailto:jannlr51@gmail.com)

### Nebraska:

Almosta Farm Magnet, NE  
[www.almostafarmhighlands.com](http://www.almostafarmhighlands.com)

### Oklahoma:

Unreg. Black Highland cow/ fall calving  
 & yearling dun Highland bull  
[blazingacres@gmail.com](mailto:blazingacres@gmail.com) 405.519.2127  
 Crossbred yearling Highland/Limousine  
 bull Spaulpa, OK 918.805.2291  
[bullish22@gmail.com](mailto:bullish22@gmail.com)  
 Coble Highland Ranch  
[www.coblehighlandranch.com](http://www.coblehighlandranch.com)  
 918.652.1411  
 Reg. Highland bull & heifers, all  
 naturally raised; Red Rock, OK  
 580.723.4304  
[viviankandrews@gmail.com](mailto:viviankandrews@gmail.com)

### Texas:

DDG Hercules, dob 9.10.13 red bull  
 weaned in 2014 spring NE Texas  
 214.794.6311  
[ddhighlanderfarm@yahoo.com](mailto:ddhighlanderfarm@yahoo.com)  
 Young Sprout Farms Reg. Scottish  
 Highland cattle 903.571.4425  
[glennyyoung@hughes.net](mailto:glennyyoung@hughes.net)

### Wisconsin:

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

## NEW: PAYPAL ON THE HHCA WEBSITE!

The HHCA has a payment button on our Home page for payment of membership dues and for purchasing an additional 3 months of ad space for the Classifieds page. There is also a Paypal button on the Merchandise page for purchasing Highland calendars, notepads, Highland-themed gear.

This is another convenience and benefit of the HHCA! Spread the word!

**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**