

# Flying H Genetics



*Semi-Annual*

## BRANDED

**GROWN <sup>29<sup>th</sup></sup> ON GRASS™**  
**HERD BULL SALE**

Saturday, March 26, 2022 | 1:00pm<sup>CT</sup>

BALANCER® | GELBVIEH | SIMANGUS™ | SIMMENTAL | FUSION™ | RED ANGUS | ANGUS



# Flying H Genetics Grown On Grass™ Herd Bull Sale



## Grown On Grass™ Herd Bull Sale

Saturday - 1:00 pm<sup>CT</sup> • March 26, 2022  
at the BULL BARN, Butler, MO



★ Bull Videos will be available for viewing on our website at ★  
[www.flyinghgenetics.com](http://www.flyinghgenetics.com)



Back row, from left: Lilly, Bonnie, baby Sterling and Dick Helms. Front, from left: Savannah and Abby

Dick's Cell: (308) 962-6500  
[dick@flyinghgenetics.com](mailto:dick@flyinghgenetics.com)

My Dad always said:

*"You stick with tradition as long as you can afford to."*

Since 1949 we have been improving the bulls we sell.

### HAVE YOU DONE THE MATH LATELY?

Using today's prices the MATH shows a dramatic profit difference when comparing the functionality and profitability of straight bred cattle verses crossbred cattle.

25 (straight bred calves) X \$60/HD CAB premium = \$1,500 extra profit per HERDBULL/ year.

200 HD Cow Herd = 8 HERDBULLS X \$1,500/BULL = \$12,000

25 (crossbred calves) X \$200/HD Heterosis premium = \$5,000 extra profit per HERDBULL/year.

200 HD Cow Herd = 8 HERDBULLS X \$5,000/BULL = \$40,000

(CAB/carcass premiums are additional)

An article written by Dr. Bob Weber, Kansas State University, was used as the basis for the MATH in this letter and a copy of his article can be found on our web site: [www.flyinghgenetics.com](http://www.flyinghgenetics.com)

### Achieving these results requires superior genetics and good management.

With today's **MATH**, utilizing superior genetics from more than one breed in an easy cross breeding program will increase your herds' functionality and profitability by thousands of dollars per bull purchased!!!!

Today, your cowherd has to be more functional, efficient and profitable than ever. Let us help you develop your own personal crossbreeding program tailored to fit your personal needs with Flying H Genetics bulls. Call us today to build yours!

Thank you from all of us at Flying H

God Bless!!



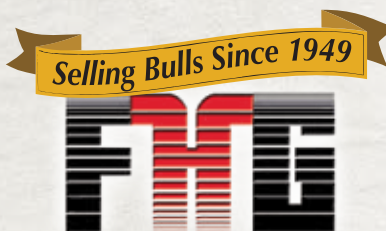
Kyle and Kayla with daughters  
(left to right), Abby and Lilly

Kyle's Cell: (308) 962-6940  
[kyle@flyinghgenetics.com](mailto:kyle@flyinghgenetics.com)



Bryan and Shannon with daughter Savannah  
and son, Sterling

Bryan's Cell: (307) 840-0920  
[bryan@flyinghgenetics.com](mailto:bryan@flyinghgenetics.com)



**FLYING H GENETICS**

Dick & Bonnie Helms

NE Office – Arapahoe, NE

Ph: (308) 493-5411

Fax: (308) 493-5412



Aaron & Kyrston Gaines

Missouri Office

Aaron Gaines

Ph: (417) 309-0062

[aaron@flyinghgenetics.com](mailto:aaron@flyinghgenetics.com)

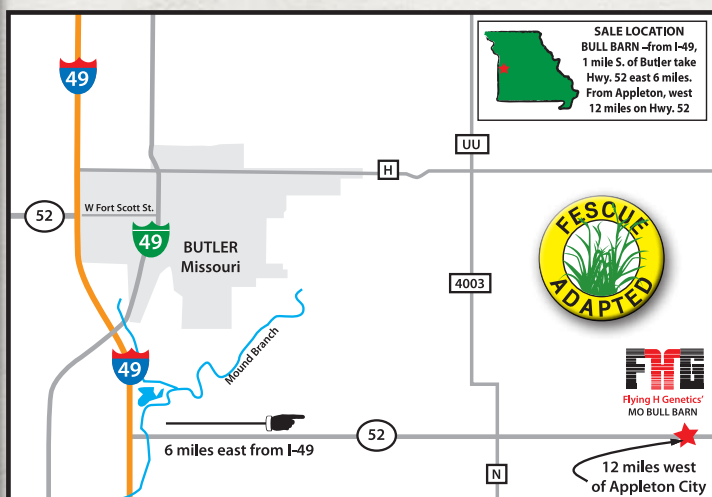


# Flying H Genetics Grown On Grass™ Herd Bull Sale

## THINGS YOU NEED TO KNOW

### LOCATION:

At the **BULL BARN, Butler, MO**  
6573 NE SR 52, Butler, MO



## IMPORTANT CONTACT INFORMATION FOR VIEWING AND BIDDING AT HOME:

### ★ View the Bulls on Video ★

We videoed each bull and have them available for viewing on **www.flyinghgenetics.com** or view videos at **www.dvauction.com**

**DVAuction**  
Broadcasting Real-Time Auctions

Never Miss An Auction Again!  
Watch & Bid online for FREE!

**Visit [www.DVAuction.com](http://www.DVAuction.com) and Register Today!**

For General Questions Please Contact Our Office:  
(402) 316-5460 or [support@dvauction.com](mailto:support@dvauction.com)

*Complimentary Lunch Served*

## FHG SALES STAFF

- Bryan Helms, ..... (307) 840-0920
- Aaron Gaines ..... (417) 309-0062
- Dick Helms ..... (308) 962-6500
- Kyle Helms ..... (308) 962-6940
- Missouri Office ..... (417) 309-0062

## AUCTIONEER

- Matt Lowery ..... Auctioneer  
(308) 750-6119

## LIVESTOCK PRESS

- Jason Hansen. .... Livestock Digital / Ring Service  
(402) 649-0500
- Jeremy Garber ..... Ring Service  
(660) 723-5043
- Laura Handke. .... American Gelbvieh Assn. Rep.  
(913) 370-3496

## MOTEL ACCOMMODATIONS

Days Inn, Butler:  
(660) 679-4544

Budgetel Inn & Suites, Butler:  
(660) 679-6183

Comfort Inn and Suites, Harrisonville:  
(816) 925-0272

Country Inn and Suites, Nevada:  
(417) 667-9292

If you have any problems with the internet please contact the FHG Staff.

REMEMBER - our Customer Satisfaction Guarantee assures you that the bulls you buy will meet or exceed all 17 Quality Standards used as the basis of our Quality Guaranteed Genetics pledge.

If you have any questions or need more information, please contact the FHG Staff.

Please bring this sale book with you on sale day!

### Sale Supplement Sheets

are available on our website the week of the sale, and are also available at the Bull Barn the day of the sale.

Find them at

**[www.flyinghgenetics.com](http://www.flyinghgenetics.com)**

For information on **Volume Discounts, Limited Free Delivery, Death & Injury Warranty** and **Identifying Heifer Bulls** see page 20 of this sale book.



## *Congratulations Aaron and Kyrston*

God bless you two in your new adventure.

*Thank you for all of your hard work!*



### FLYING H GENETICS – COOP HERDS

We can offer you this tremendous set of bulls thanks to the hard work and genetic craftsmanship of the breeders below. The Flying H network is a series of relationships that allow our herds and those of our coop breeders to function as one interconnected collection of genetic resources for our customers

**ARP** *Arp Cattle Co. (ARPS)*

→ **L**

*Arrow L Simmental (AL)*

**K/B**

*Kaser Brothers Simmentals (KB)*

*Nelson Livestock (NL)*

**NL**

**SMTF**

*Smith Farm (SMTF)*

### BREED AVERAGE EPDs

All EPDS and Five Star Scores printed in this catalog are based off of EPDs obtained in February 2022.

#### **BALANCER-Breed Average EPDs**

AVG. EPD	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	13	-0.5	70	107	20	34	0.48	0.36	80.18

#### **GELBVIEH-Breed Average EPDs**

AVG. EPD	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	12	0.1	68	98	21	30	0.66	0.20	74.33

#### **ANGUS-Breed Average EPDs**

AVG. EPD	CE	BW	WW	YW	MK	CW	RE	MB	\$W	\$B
	+6	+1.2	+59	+105	+26	+46	+60	+60	+61	+135

#### **SIMMENTAL-Breed Average EPDs**

AVG. EPD	CE	BW	WW	YW	MK	CW	MB	RE	API	TI
	12.2	0.50	75.20	116.1	22.8	31.2	0.30	0.65	129.73	77.89

#### **SIMANGUS-Breed Average EPDs**

AVG. EPD	CE	BW	WW	YW	MK	CW	MB	RE	API	TI
	12.20	0.5	75.20	116.1	22.8	31.2	0.30	0.65	127.72	77.89

#### **RED ANGUS-Breed Average EPDs**

AVG. EPD	CE	BW	WW	YW	MK	CW	RE	MB	HB	GM
	13	-1.8	59	95	25	20	0.11	0.42	64	34



# Flying H Genetics Grown On Grass™ Herd Bull Sale

## Attention Buyers

### SALE ORDER IS CATALOG ORDER.

Supplement sheets will be posted on [www.flyinghgenetics.com](http://www.flyinghgenetics.com) and available the sale day.

### CONTENTS:

Letter . . . . .	Inside front cover	The Value of Heterosis. . . . .	14-15
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Explanation of EPDs and DNA . . . . .	4	Volume Discounts, Delivery, Warranty, and Heifer Bull Key . .	20
Grown On Grass™ – Fescue Adapted Bulls . . . . .	5-13	Thank You . . . . .	Inside back cover

### FURTHER INFORMATION:

**INSPECTION OF SALE CATTLE:** The cattle are at the ranch and are ready for viewing any time prior to sale day. Please call ahead so someone is available to help you.

**TERMS AND CONDITIONS:** All cattle sell according to the terms and conditions recommended by the American Gelbvieh Association. Terms of the sale are cash. Every animal will be sold to the highest bidder. Announcements sale day take precedence over printed material in this catalog. All cattle are the property of the buyers as soon as sold and will be cared for until Dec. 1st at no additional cost. Buyer may pickup their purchases anytime after the sale or Flying H Genetics will deliver according to their delivery policy as stated in the sale book.

Any person attending the sale does so at their own risk. Neither the owners or Flying H Genetics assumes any liability, legal or otherwise. All animals listed in the catalog as being Homozygous Polled or Homozygous Black are done so to the best of our knowledge. We are not liable for any inaccuracies. Registration papers will be transferred to the new buyer at the sellers expense.

**ABSENTEE BIDS:** The following 3 options are available.

1. Call a member of the FHG Staff for a conference call buyer number (info on page 1).
2. Register, view and bid online with DVAuction.com
3. Call a member of the FHG Staff or Livestock Press to have it handled personally..

**HEALTH AND BREEDING SOUNDNESS:** All animals have been on a complete health program and health papers are available for all 48 states. All bulls will have passed a Breeding Soundness Exam and Semen Test prior to the sale. All sale animals have also been tested negative for PI BVD.



Since 1982

*Flying H Genetics has  
guaranteed calving ease on  
every bull sold. Bulls for use  
on heifers are identified with the  
Show Me Select stamp.*





## FLYING H GENETICS EXPLANATION OF EPDS AND DNA

### Lot # Animal Name

EPD STAR RANKINGS	#17.)		#16.)		#15.)		#14.)		#13.)		#12.)		#11.)		#10.)	
	DISPOSITION															
	GROWTH															
	MUSCLE															
	CARCASS															
	MATERNAL															
	FORAGABILITY															
	CE		BW		WW		YW		MK		CW		RE		MB	
	#1.)		#2.)		#3.)		#4.)		#5.)		#6.)		#7.)		#8.)	



Breed

API	TI
#9.)	#9.)

Simmental/SimAngus

HB	GM
#9.)	#9.)

Red Angus

\$B	\$W
#9.)	#9.)

Angus

### Flying H Genetics

retains 50% semen interest in every bull sold. The buyer receives 100% possession and resale or salvage value and 50% semen interest. - If Flying H Genetics chooses to utilize their semen interest, they will coordinate with the owner and pay all expenses for their semen. If a semen sales market develops on a bull, Flying H Genetics will work with the owner to promote and sell semen splitting the expenses and income 50/50. Again, this semen reserve does not affect the buyer's ability to have full use of and receive full sale price for the bull with the semen reserve following the bull to the new owner. We estimate that this may only affect 1 or 2 bulls per year. If you have questions, please contact the FHG Staff at any time.

## ABBREVIATIONS AND EXPLANATIONS:


- CE – Calving Ease:** the higher the value the greater the calving ease expected in first calf heifers.
- BW – Birth Weight:** expressed in pounds, is a predictor of his ability to transmit more or less birth weight.
- WW –Weaning Weight:** expressed in pounds, is a predictor of his ability to transmit more or less pounds at weaning.
- YW – Yearling Weight:** expressed in pounds, is a predictor of his ability to transmit more or less pounds of yearling growth.
- MK – Milk:** is a predictor of his genetic potential for his daughter's milk and mothering ability.
- CW – Carcass Weight:** expressed in pounds is a predictor of his ability to transmit more or less carcass weight.
- RE – Ribeye Area:** expressed in square inches, is a predictor of his ability to transmit more or less Ribeye area.
- MB – Marbling:** expressed as a USDA marbling score & reflects his ability to improve marbling.
- INDEX**
  - ✓ **Simmental influenced cattle: API - All Purpose Index; Hereford influenced cattle: BMI - Baldy Maternal Index; Red Angus influenced cattle: HB - HerdBuilder Index** - These indexes calculate the total potential value of his birth, growth, carcass, muscle & maternal genetics.
  - ✓ **Angus cattle: \$B – Beef Value:** An index that accounts for all traits relevant to end product profitability (i.e. - growth and carcass performance)
  - ✓ **Simmental influenced cattle: TI - Terminal Index; Hereford influenced cattle: CHB - Certified Hereford Beef; Red Angus influenced cattle: GM - GridMaster** - These indexes calculate his terminal (non-maternal) value based on growth, muscle & carcass.
  - ✓ **Gelbvieh influenced cattle: FPI – Feeder Profit Index:** An economic selection index designed to aid producers in selecting sires whose progeny will perform in the feedlot and are sold on grade and yield. Well ranking sires for FPI have higher marbling and carcass weight than their contemporaries. As a terminal index, little emphasis is put on maternal traits such as stayability and calving ease.
  - ✓ **Angus cattle: \$W – Weaning Value:** expressed in dollars per head, is the expected difference in maternal preweaning performance.
- PEDIGREE**
- FHG STAR RANKING SYSTEM**— This system ranks cattle in five major areas of customer genetic needs—Disposition, Growth, Muscle, Carcass and Maternal. In Missouri, where bulls are grown on fescue grass, we measure and rank them in a sixth area of need—Foragability. Disposition—1★ & 2★ Culled, 3★ Good, 4★ Better, 5★ Best. Growth, Muscle, Carcass, Maternal and Foragability—3★ ranking identifies breed average genetics for the trait, a 4★ ranks them within the top 50% to 25% of the breed and a 5★ ranks them within the top 25% of the breed genetically for the traits. Information used to develop these rankings includes performance measurements of the individual animal, his sire and his dam, EPDs and ultrasound data. Foragability – the scores for this rank system are derived from analysis of three important factors: 1. The individuals Grown On Grass gain ratio (how well he performed when compared to others eating the same fescue grass), 2. We examine the fat thickness of the individual ultrasound results (greater fat cover suggests and more easily fleshing animal) and/or DNA analysis & evaluation of his GE EPDs, and 3. The animals physical design is evaluated for capacity (individuals with more “guts” tend to be better foragers). Our Star Ranking System combines all the data into a simple ranking system to help you easily find the specific genetics you need for a trait or combination of traits. A more complete explanation of the Disposition Star System can be found on page 19.
- COLOR STATUS** - Homo. Black (will only produce black calves), Black (carrier of red color gene), or Red.
- POLLED STATUS**—Homo. Polled (by pedigree or DNA test) will produce only polled calves, Polled or Scurred (not horned).
- BREED MAKEUP**
- COOPERATOR HERD IDENTIFICATION**
- INDIVIDUALS BREED ASSOCIATION ASSIGNED REGISTRATION NUMBER**
- INDIVIDUALS BIRTH DATE**



# Flying H Genetics Grown On Grass™ Herd Bull Sale

## Grown On Grass,™ — Fescue Adapted Bulls

### 1 FLYING H MR CASH 522H

STAR RANKINGS	BD: 9/08/2020			Reg: AMGV 1496607			FHG 522H		
	Black			Polled			1/2 AN 1/4 GV 1/4 SM		
	DISPOSITION ★★★★★			Sire: FLYING H 355Z/CASH 111E ET					
	GROWTH ★★★★★			MGS: RBCF BEEF MAKER 102Y					
	MUSCLE ★★★★★			Cow ID: FLYING H MS BEEF MAKER 320C					
	CARCASS ★★★★★								
	MATERNAL ★★★★★								
EPD	FORAGABILITY ★★★★★								
	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	14	-0.4	80	134	22	39	0.79	0.27	86.15


Fusion™

Fusion™



Lot 1

### 2 FLYING H MR JACKPOT 517H

STAR RANKINGS	BD: 9/07/2020			Reg: AMGV 1496605			FHG 517H		
	Black			Polled			5/8 GV 3/8 AN		
	DISPOSITION ★★★★★			Sire: ADKINS JACKPOT 906W					
	GROWTH ★★★★★			MGS: BENNETT 392SW 078A					
	MUSCLE ★★★★★			Cow ID: MS BHSF BENNETT078A 385D					
	CARCASS ★★★★★								
	MATERNAL ★★★★★								
EPD	FORAGABILITY ★★★★★								
	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	8	2.1	85	132	26	35	0.63	0.71	94.14


Balancer<sup>®</sup>

Balancer®



Lot 2

### 3 FLYING H MR F42 H0105

STAR RANKINGS	BD: 6/03/2020			Reg: AMSM 3739388			AL H0105			
	Homo. Black			Polled			1/2 AN 1/2 SM			
	DISPOSITION ★★★★★			Sire: ARROW L F42						
	GROWTH ★★★★★			MGS: SRF SWEN 072W						
	MUSCLE ★★★★★			Cow ID: KNH MISS 013Z						
	CARCASS ★★★★★									
	MATERNAL ★★★★★									
EPD	FORAGABILITY ★★★★★									
	CE	BW	WW	YW	MK	CW	RE	MB	API	TI
	14.1	-0.2	80.4	132.8	25.9	51.7	1.03	0.40	135.2	83.8


SimAngus™

SimAngus™



Lot 3

### 4 FLYING H MR PROPHET H059

STAR RANKINGS	BD: 5/14/2020			Reg: AMSM 3739342			AL H059			
	Black			Polled			1/2 AN 1/4 GV 1/4 LM			
	DISPOSITION ★★★★★			Sire: MR BHSF PROPHET B006						
	GROWTH ★★★★★			MGS: AHCC LAW DOG T61						
	MUSCLE ★★★★★			Cow ID: ALSR Z297C						
	CARCASS ★★★★★									
	MATERNAL ★★★★★									
EPD	FORAGABILITY ★★★★★									
	CE	BW	WW	YW	MK	CW	RE	MB	API	TI
	11.9	0.0	71.4	123.1	16.5	40.0	0.52	0.80	147.9	85.8

Angus Hybrid

Angus Hybrid




Lot 4



# Flying H Genetics Grown On Grass™ Herd Bull Sale

## Grown On Grass,™ — Fescue Adapted Bulls

### 5 FLYING H HULK HOGAN 893H

STAR RANKINGS	BD: 9/09/2020			Reg: AMGV 1490186			ARPS 893H		
	Black			Polled			3/4 GV 1/4 AN		
	DISPOSITION ★★★★★			Sire: FLYING H ASTRO 21F					
	GROWTH ★★★★★			MGS: LAZY TV SAM U451					
	MUSCLE ★★★★★			Cow ID: ARPS 544D					
	CARCASS ★★★★★								
MATERNAL ★★★★★									
FORAGABILITY ★★★★★									
EPD	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	8	3.1	83	115	26	35	0.77	0.41	84.12


Balancer<sup>®</sup>

Balancer®



Lot 5


### 6 FLYING H GEN TEN 23H

STAR RANKINGS	BD: 3/03/2020			Reg: AMSM 3795212			NL 23H			
	Homo. Black			Homo. Polled			PB SM			
	DISPOSITION ★★★★★			Sire: NLC GEN TEN 82E						
	GROWTH ★★★			MGS: JBARJ 118Y						
	MUSCLE ★★★★★			Cow ID: NLC BILLINGS B148						
	CARCASS ★★★★★									
	MATERNAL ★★★★★									
EPD	FORAGABILITY ★★★★★									
	CE	BW	WW	YW	MK	CW	RE	MB	API	TI
	14.1	0.6	67.4	99.3	28.5	31.3	0.81	0.45	166.3	81.8

Simmental

Simmental


### 7 FLYING H HARRISON 886H

STAR RANKINGS	BD: 8/30/2020			Reg: AMGV 1488726			ARPS 886H		
	Black			Polled			1/2 GV 1/2 AN		
	DISPOSITION ★★★★★			Sire: GAME CHANGER D136					
	GROWTH ★★★★★			MGS: MYTTY IN FOCUS					
	MUSCLE ★★★★★			Cow ID: MS XCEL 312X					
	CARCASS ★★★★★								
	MATERNAL ★★★★★								
EPD	FORAGABILITY ★★★★★								
	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	13	-0.2	79	120	17	43	0.49	0.54	88.80

Balancer®

Balancer®

### 8 FLYING H HARDBALL 896H

STAR RANKINGS	BD: 9/15/2020			Reg: AMGV 1490183			ARPS 896H		
	Black			Polled			3/4 GV 1/4 AN		
	DISPOSITION ★★★★★			Sire: FLYING H ASTRO 21F					
	GROWTH ★★★★★			MGS: LAZY TV SAM U451					
	MUSCLE ★★★★★			Cow ID: CAMELIA 501C					
	CARCASS ★★★★★								
	MATERNAL ★★★★★								
EPD	FORAGABILITY ★★★★★								
	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	9	2.6	89	129	18	40	0.91	0.44	89.36

Balancer®

Balancer®



Lot 8


## NOTES



# Flying H Genetics Grown On Grass™ Herd Bull Sale

## Grown On Grass,™ — Fescue Adapted Bulls

### 9 FLYING H MR F42 H094

STAR RANKINGS	BD: 5/29/2020			Reg: AMSM 3739377			AL H094			
	Homo. Black			Polled			1/2 SM 1/2 AN			
	DISPOSITION ★★★★★			Sire: ARROW L F42						
	GROWTH ★★★			MGS: S A V FINAL ANSWER 0035						
	MUSCLE ★★★			Cow ID: ALSR B403						
	CARCASS ★★★★★			<div><i>Show Me Select Heifer Qualified</i></div>						
	MATERNAL ★★★★★									
EPD	FORAGABILITY ★★★★★									
	CE	BW	WW	YW	MK	CW	RE	MB	API	TI
	16.5	-2.5	64.8	106.7	24.4	31.6	0.59	0.51	153.9	79.2

Sim Angus™




Show Me Select  
Heifer Qualified

SimAngus™



Lot 9

### 10 FLYING H MR PRO 509H

STAR RANKINGS	BD: 8/30/2020			Reg: AMGV 1496603			FHG 509H		
	Black			Polled			1/2 GV 1/4 AN 1/4 AR		
	DISPOSITION ★★★★★			Sire: FLYING H MR PRO 33A					
	GROWTH ★★★★★			MGS: BROWN JYJ REDEMPTION Y1334					
	MUSCLE ★★★			Cow ID: FLYING H MS 171Y/REDEPMT571F ET					
	CARCASS ★★★★★			 <i>Show Me Select Heifer Qualified</i>					
	MATERNAL ★★★★★								
FORAGABILITY ★★★★★									
EPD	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	22	-5.4	65	105	24	37	0.38	0.39	86.62


Balancer®



Show Me Select  
Heifer Qualified

Balancer®

### 11 FLYING H MR PROPHET H073


STAR RANKINGS	BD: 5/17/2020				Reg: AMSM 3739356				AL H073			
	Homo. Black				Homo. Polled				1/2 AN 1/4 GV 1/4 LM			
	DISPOSITION ★★★★★				Sire: MR BHSF PROPHET B006							
	GROWTH ★★★				MGS: AHCC LAW DOG T61							
	MUSCLE ★★★				Cow ID: ALSR Z900C							
	CARCASS ★★★★★				 <i>Show Me Select Heifer Qualified</i>							
	MATERNAL ★★★★★											
FORAGABILITY ★★★★★												
EPD	CE	BW	WW	YW	MK	CW	RE	MB	API	TI		
	14.5	-1.9	64.7	109.8	14.5	13.7	0.14	0.46	131.6	75.4		
Angus Hybrid												



Show Me Select  
Heifer Qualified

Angus Hybrid

### 12 FLYING H MR LEVERAGE 541H


STAR RANKINGS	BD: 9/30/2020			Reg: AMGV 1496629			FHG 541H		
	Black			Polled			5/8 GV 3/8 AN		
	DISPOSITION ★★★★★			Sire: FLYING H 355Z/LEVERAGE 96 ET					
	GROWTH ★★★★★			MGS: AHL FLASHBACK 446B					
	MUSCLE ★★★			Cow ID: FLYINGH MS 130X/FLASHBK 522D ET					
	CARCASS ★★★								
	MATERNAL ★★★★★								
FORAGABILITY ★★★★★									
EPD	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	11	-1.1	75	105	24	23	0.54	0.25	80.66

Balancer®



Balancer®

### 13 FLYING H MR LEVERAGE 542H


STAR RANKINGS	BD: 10/02/2020			Reg: AMGV 1496630			FHG 542H		
	Black			Polled			3/4 GV 1/4 AR		
	DISPOSITION ★★★★★			Sire: FLYING H 355Z/LEVERAGE 96E ET					
	GROWTH ★★★★★			MGS: LACY FHG LEGACY 6097					
	MUSCLE ★★★★★			Cow ID: FLYING H MS LEGACY 358Z					
	CARCASS ★★★								
	MATERNAL ★★★★★								
FORAGABILITY ★★★★★									
EPD	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	10	1.4	78	108	27	29	0.77	0.28	80.34

Balancer®



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### 14 FLYING H MR CASH 510H

STAR RANKINGS	BD: 9/03/2020			Reg: AMGV 1496604			FHG 510H		
	Black			Homo. Polled			1/2 GV 1/2 AN		
	DISPOSITION ★★★★★			Sire: FLYING H 355Z/CASH 111E ET					
	GROWTH ★★★			MGS: BAG MR SANDMAN 115Y					
	MUSCLE ★★★			Cow ID: FLYING H MS SANDMAN 350D					
	CARCASS ★★★								
	MATERNAL ★★★★★								
FORAGABILITY ★★★★★									
EPD	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	12	-0.4	63	95	21	28	0.55	0.29	74.17

Balancer®



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Lot 14




# Flying H Genetics Grown On Grass™ Herd Bull Sale

## Grown On Grass,™ — Fescue Adapted Bulls

### 15 FLYING H MR 368B/CC 533H

STAR RANKINGS

BD: 9/15/2020	Reg: AMSM 3917078		FHG 533H						
Black	Homo. Polled		1/2 SM 1/2 AR						
DISPOSITION	★★★★★	Sire: CCR COWBOY CUT 5048Z							
GROWTH	★★★	MGS: HXC CONQUEST 4405P							
MUSCLE	★★★	Cow ID: PELTON MISS 368B							
CARCASS	★★★★★								
MATERNAL	★★★★★								
FORAGABILITY	★★★★★								
CE	BW	WW	YW	MK	CW	RE	MB	API	TI
13.5	-1.7	74.9	109.9	26.3	13.7	0.50	0.54	159.6	85.9


SimAngus™

SimAngus™



Lot 15

### 16 FLYING H MR AFTER PARTY H0116

STAR RANKINGS	BD: 6/09/2020		Reg: AMSM 3739400			AL H0116				
	Black		Polled			PB SM				
	DISPOSITION ★★★★★		Sire: ALSR AFTER PARTY E708							
	GROWTH ★★★★★		MGS: HOOK'S RED ZONE 79Z							
	MUSCLE ★★★★★		Cow ID: ALSR C533							
	CARCASS ★★★★★									
	MATERNAL ★★★★★									
FORAGABILITY ★★★★★										
EPD	CE	BW	WW	YW	MK	CW	RE	MB	API	TI
	15.1	1.6	90.4	134.0	21.3	28.6	1.07	0.26	154.7	90.2


Simmental

Simmental

### 17 FLYING H MR AFTER PARTY H0119

STAR RANKINGS

EPD

BD: 6/12/2020		Reg: AMSM 3739403		AL H0119					
Homo. Black		Polled		1/2 SM 1/2 AN					
DISPOSITION ★★★★★		Sire: ALSR AFTER PARTY E708							
GROWTH ★★★★★		MGS: N/A							
MUSCLE ★★★		Cow ID: ALSR A351C							
CARCASS ★★★		<div><div>Show Me Select Heifer Qualified</div></div>							
MATERNAL ★★★★★									
FORAGABILITY ★★★★★									
CE	BW	WW	YW	MK	CW	RE	MB	API	TI
17	-2.2	75.3	115.7	23.9	24.9	0.w36	0.20	122.5	76.4

SimAngus™


SimAngus™

Show Me Select  
Heifer Qualified

### 18 FLYING H MR 368B/CC 526H ET

STAR RANKINGS

EPD


BD: 9/09/2020			Reg: AMGV 1505246			FHG 526H		
Black			Homo. Polled			1/2 SM 1/2 AR		
DISPOSITION ★★★★★			Sire: CCR COWBOY CUT 5048Z					
GROWTH ★★★★★			MGS: HXC CONQUEST 4405P					
MUSCLE ★★★			Cow ID: PELTON MISS 368B					
CARCASS ★★★★★			<div> <div>  </div> <div> Show Me Select Heifer Qualified </div> </div>					
MATERNAL ★★★								
FORAGABILITY ★★★★★								
CE	BW	WW	YW	MK	CW	RE	MB	FPI
14	-1.5	77	114	26	14	0.50	0.54	91.07

SimAngus™

SimAngus™

Show Me Select  
Heifer Qualified

### 19 FLYING H MR 368B/CC 531H ET

STAR RANKINGS	BD: 9/13/2020		Reg: AMGV 1505148		FHG 531H				
	Black		Homo. Polled		1/2 SM 1/2 AR				
	DISPOSITION ★★★★★		Sire: CCR COWBOY CUT 5048Z						
	GROWTH ★★★★★		MGS: HXC CONQUEST 4405P						
	MUSCLE ★★★		Cow ID: PELTON MISS 368B						
	CARCASS ★★★★★		 <i>Show Me Select Heifer Qualified</i>						
	MATERNAL ★★★								
EPD	FORAGABILITY ★★★★★								
	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	14	-1.5	77	112	26	14	0.50	0.54	90.91

Sim Angus™

SimAngus™

Show Me Select  
Heifer Qualified



Cowboy Cut,  
sire of  
Lots 15, 18, 19, 25, 32


ASA  
DNA  
Homozygous Black  
Homozygous Polled



# Flying H Genetics Grown On Grass™ Herd Bull Sale

## Grown On Grass,™ — Fescue Adapted Bulls

### 20 FLYING H HEFNER 880H

STAR RANKINGS	BD: 8/26/2020			Reg: AMGV 1488733			ARPS 880H		
	Black			Polled			3/8 GV 5/8 AN		
	DISPOSITION ★★★★★			Sire: GAME CHANGER D136					
	GROWTH ★★★★★			MGS: BGGR GRAVITY 803A					
	MUSCLE ★★★★★			Cow ID: CHANTILLY LACE 494C					
	CARCASS ★★★★★								
	MATERNAL ★★★★★								
EPD	FORAGABILITY ★★★★★								
	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	11	0.8	88	133	17	50	0.54	0.60	93.97


Balancer®

Balancer®



Lot 20


### 21 FLYING H MR OTIS H009

STAR RANKINGS	BD: 3/07/2020			Reg: AMSM 3829371			KB H009			
	Black			Polled			PB SM			
	DISPOSITION *****			Sire: OLF OTIS B18						
	GROWTH *****			MGS: KS RENO A962						
	MUSCLE *****			Cow ID: MISS RENO D614						
	CARCASS *****									
	MATERNAL *****									
EPD	FORAGABILITY *****									
	CE	BW	WW	YW	MK	CW	RE	MB	API	TI
	12.9	0.8	74.7	118.5	19.9	39.7	0.83	-0.01	133.2	74.3

Simmental

Simmental


### 22 FLYING H HUCKLEBERRY 900H

STAR RANKINGS	BD: 9/21/2020			Reg: AMGV 1490187			ARPS 900H		
	Black			Polled			5/8 GV 3/8 AN		
	DISPOSITION ★★★★★			Sire: FLYING H ASTRO 21F					
	GROWTH ★★★★★			MGS: LAZY TV SAM U451					
	MUSCLE ★★★★★			Cow ID: DADDY'S GIRL 548D					
	CARCASS ★★★★★								
	MATERNAL ★★★								
EPD	FORAGABILITY ★★★★★								
	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	10	2.2	87	134	22	46	0.84	0.49	90.62

Balancer®

Balancer®

### 23 FLYING H HAMMERIN HANK 889H

STAR RANKINGS	BD: 8/31/2020	Reg: AMGV 1488725			ARPS 889H				
	Black	Polled			5/8 GV 3/8 AN				
	DISPOSITION	*****	Sire: GAME CHANGER D136						
	GROWTH	*****	MGS: LAZY TV SAM U451						
	MUSCLE	*****	Cow ID: MISS XCITMENT 291X						
	CARCASS	*****							
	MATERNAL	*****							
FORAGABILITY	*****								
EPD	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	13	-0.2	79	119	19	39	0.76	0.46	88.12


Balancer®

Balancer®



Lot 23

### 24 FLYING H HIGH STEAKS 03H

STAR RANKINGS	BD: 12/16/2020			Reg: AMGV 1512980			SMTF 03H		
	Black			Polled			3/4 GV 1/4 AN		
	DISPOSITION ★★★★★			Sire: DAY ONE 602D					
	GROWTH ★★★★★			MGS: ALL AMERICAN 885A ET					
	MUSCLE ★★★★★			Cow ID: ARPS 647E					
	CARCASS ★★★★★								
	MATERNAL ★★★								
EPD	FORAGABILITY ★★★★★								
	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	12	-0.1	74	106	20	34	0.57	0.29	79.95

Balancer®


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# Flying H Genetics Grown On Grass™ Herd Bull Sale

## Grown On Grass,™ — Fescue Adapted Bulls

### 25 FLYING H MR 368B/CC 514H ET

STAR RANKINGS	BD: 9/05/2020			Reg: AMGV 1505139			FHG 514H		
	Black			Homo. Polled			1/2 SM 1/2 AR		
	DISPOSITION ★★★★★			Sire: CCR COWBOY CUT 5048Z					
	GROWTH ★★★★★			MGS: HXC CONQUEST 4405P					
	MUSCLE ★★★			Cow ID: PELTON MISS 368B					
	CARCASS ★★★★★			<div></div> <div>Show Me Select Heifer Qualified</div>					
	MATERNAL ★★★								
EPD	FORAGABILITY ★★★★★								
	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	14	-1.4	78	115	26	14	0.50	0.54	91.42


SimAngus™

SimAngus™



Lot 25


### 26 FLYING H MR PRO 504H

STAR RANKINGS	BD: 8/28/2020			Reg: AMGV 1496600			FHG 504H		
	Black			Polled			1/2 GV 1/4 AN 1/4 AR		
	DISPOSITION ★★★★★			Sire: FLYING H MR PRO 33A					
	GROWTH ★★★★★			MGS: BROWN JYJ REDEMPTION Y1334					
	MUSCLE ★★★★★			Cow ID: FLYING H MS 171Y/REDEMP575F ET					
	CARCASS ★★★★★			<div><i>Show Me Select Heifer Qualified</i></div>					
	MATERNAL ★★★★★★								
EPD	FORAGABILITY ★★★★★								
	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	19	-4.3	67	110	24	39	0.40	0.36	85.36

Balancer®

Balancer®


### 27 FLYING H MR AFTER PARTY H099

STAR RANKINGS	BD: 5/31/2020			Reg: AMSM 3739382			AL H099			
	Homo. Black			Polled			3/4 SM 1/4 AN			
	DISPOSITION ★★★★★			Sire: ALSR AFTER PARTY E708						
	GROWTH ★★★			MGS: ALSR UPGRADE A318						
	MUSCLE ★★★			Cow ID: ALSR E799						
	CARCASS ★★★			<div><i>Show Me Select Heifer Qualified</i></div>						
	MATERNAL ★★★★★									
EPD	FORAGABILITY ★★★★★									
	CE	BW	WW	YW	MK	CW	RE	MB	API	TI
	17.3	-1.9	69.7	94.4	23.6	20.3	0.58	0.29	144.5	76.8

SimAngus™

SimAngus™

### 28 FLYING H MR PRO 515H

STAR RANKINGS	BD: 9/06/2020			Reg: AMGV 1514611			FHG 515H		
	Homo. Black			Homo. Polled			1/4 GV 3/4 AN		
	DISPOSITION ★★★★★			Sire: FLYING H MR PRO 33A					
	GROWTH ★★★★★			MGS: SCHIEFELBEIN IBULL 3415					
	MUSCLE ★★★★★			Cow ID: FLYING H 954/I BULL 29F					
	CARCASS ★★★★★								
	MATERNAL ★★★★★								
EPD	FORAGABILITY ★★★★★								
	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	16	0.2	93	154	24	57	0.40	0.42	95.99

Balancer®

Balancer®



Lot 28

## NOTES




# Flying H Genetics Grown On Grass™ Herd Bull Sale

## Grown On Grass,™ — Fescue Adapted Bulls

### 29 FLYING H MR PAYWEIGHT 535H

STAR RANKINGS

BD: 9/25/2020	Reg: AMGV 1496614	FHG 535H
Black	Homo. Polled	1/2 GV 1/2 AN
DISPOSITION ★★★★★	Sire: POST ROCK BLK BAL 317C8	
GROWTH ★★★	MGS: TWIN OAK 10X 476C ET	
MUSCLE ★★★	Cow ID: FLYING H MS 101R/476C 582F ET	
CARCASS ★★★★★	 <i>Show Me Select Heifer Qualified</i>	
MATERNAL ★★★★★		
FORAGABILITY ★★★★★		

EPD

CE	BW	WW	YW	MK	CW	RE	MB	FPI
20	-4.9	63	95	23	33	0.38	0.35	82.57


Balancer®

Balancer®



Lot 29


### 30 FLYING H MR F35 H030

STAR RANKINGS	BD: 4/28/2020		Reg: AMSM 3739313				AL H030			
	Homo. Black		Polled				1/2 AN 1/2 SM			
	DISPOSITION ★★★★★		Sire: ARROW L F35							
	GROWTH ★★★★★		MGS: HTP SVF IN DEW TIME							
	MUSCLE ★★★		Cow ID: ALSR F835							
	CARCASS ★★★									
	MATERNAL ★★★									
EPD	FORAGABILITY ★★★★★									
	CE	BW	WW	YW	MK	CW	RE	MB	API	TI
	10.8	1.3	78.2	118.8	20.1	28.0	0.58	0.15	109.2	71.9

SimAngus™

SimAngus™

### 31 FLYING H MR WIDELOAD 529H


STAR RANKINGS	BD: 9/11/2020			Reg: AMGV 1505247			FHG 529H		
	Red			Polled			1A AR		
	DISPOSITION ★★★★★			Sire: PELTON WIDELOAD 78B					
	GROWTH ★★★★★			MGS: AHL FLASHBACK 446B					
	MUSCLE ★★★			Cow ID: FLYING H 6W/ FLASHBACK 503D					
	CARCASS ★★★★★								
	MATERNAL ★★★								
EPD	FORAGABILITY ★★★★★								
	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	9	-1.2	72	103	24	20	0.18	0.44	82.21

Red Angus

Red Angus

### 32 FLYING H MR 368B/CC 528H ET


STAR RANKINGS

BD: 9/10/2020			Reg: AMGV 1505147			FHG 528H			
Black			Homo. Polled			1/2 SM 1/2 AR			
DISPOSITION ★★★★★			Sire: CCR COWBOY CUT 5048Z						
GROWTH ★★★			MGS: HXC CONQUEST 4405P						
MUSCLE ★★★			Cow ID: PELTON MISS 368B						
CARCASS ★★★★★			<div><i>Show Me Select Heifer Qualified</i></div>						
MATERNAL ★★★									
FORAGABILITY ★★★★★									
EPD	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	14	-2.4	68	99	26	14	0.50	0.54	86.44

Sim Angus™

SimAngus™

### 33 FLYING H MR FROSTY 505H

STAR RANKINGS	BD: 8/30/2020	Reg: AMGV 1505141				FHG 505H			
	Homo. Black	Homo. Polled 1/2 AN 1/4 GV 1/4 SM							
	DISPOSITION ★★★★★	Sire: TJ FROSTY 318E							
	GROWTH ★★★★★	MGS: EXAR DENVER 2002B							
	MUSCLE ★★★★★	Cow ID: FLYING H MS 355Z/DENVER 583F ET							
	CARCASS ★★★★★	<div></div> <div>Show Me Select Heifer Qualified</div>							
	MATERNAL ★★★★★								
FORAGABILITY ★★★★★									
EPD	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	15	-2.9	72	107	23	42	0.50	0.34	84.28

Fusion™




Lot 33



# Flying H Genetics Grown On Grass™ Herd Bull Sale

## Grown On Grass,™ — Fescue Adapted Bulls

### 34 FLYING H MR POWERHOUSE 527H

STAR RANKINGS	BD: 9/10/2020		Reg: AMGV 1496608			FHG 527H			
	Red		Homo. Polled			5/8 GV 3/8 AN			
	DISPOSITION ★★★★★		Sire: FLYING H 80A/40A 79E ET						
	GROWTH ★★★★★		MGS: BGGR GRAVITY 803A						
	MUSCLE ★★★★★		Cow ID: FLYING H MS 333Y/GRAV 510D E ET						
	CARCASS ★★★★★								
	MATERNAL ★★★★★								
FORAGABILITY ★★★★★									
EPD	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	12	2.2	93	143	21	56	0.87	0.51	94.32


Balancer®

Balancer®



Lot 34


### 35 FLYING H MR LEVERAGE 546H

STAR RANKINGS	BD: 10/04/2020			Reg: AMGV 1496634			FHG 546H		
	Homo. Black			Homo. Polled			PB GV		
	DISPOSITION ★★★★★			Sire: FLYING H 355Z/LEVERAGE 96E ET					
	GROWTH ★★★			MGS: IDEAL LEGACY 56R					
	MUSCLE ★★★			Cow ID: FLYING H MS LEGACY 252Y					
	CARCASS ★★★★★								
	MATERNAL ★★★★★★								
FORAGABILITY ★★★★★									
EPD	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	10	-0.1	64	95	34	22	0.63	0.31	76.03

Gelbfleisch

Gelbvieh


### 36 FLYING H MR LEVERAGE 561H

STAR RANKINGS	BD: 11/21/2020		Reg: AMGV 1496645			FHG 561H			
	Black		Scurred			PB GV			
	DISPOSITION ★★★★★		Sire: FLYING H 355Z/LEVERAGE 96E ET						
	GROWTH ★★★★★		MGS: FLYING H MR TRACTION 45B						
	MUSCLE ★★★		Cow ID: FLYING H 130X/45B 462E ET						
	CARCASS ★★★★★								
	MATERNAL ★★★★★								
FORAGABILITY ★★★★★									
EPD	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	10	0.4	71	102	26	22	0.69	0.27	77.43

Gelbvieh

Gelbvieh

### 37 FLYING H MR POWERHOUSE 530H

BD: 9/12/2020		Reg: AMGV 1496611		FHG 530H					
Red		Homo. Polled 1/2 GV 1/4 AN 1/4 AR							
DISPOSITION ★★★★★		Sire: FLYING H 80A/40A 79E ET							
GROWTH ★★★★★		MGS: SCHULER REBEL 0029X							
MUSCLE ★★★★★		Cow ID: FLYING H MS 218P/RBL 115D ET							
CARCASS ★★★★★									
MATERNAL ★★★★★									
FORAGABILITY ★★★★★									
EPD	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	14	1.1	85	136	28	49	0.78	0.41	90.25

STAR RANKINGS

Balancer®

Balancer®



Lot 37






# Flying H Genetics Grown On Grass™ Herd Bull Sale

## Grown On Grass,™ — Fescue Adapted Bulls

### 38 FLYING H MR PROPHET H058

STAR RANKINGS	BD: 5/14/2020		Reg: AMSM 3739341				AL H058			
	Homo. Black		Polled		5/8 AN 1/4 SM 1/8 GV					
	DISPOSITION		★★★★★		Sire: MR BHSF PROPHET B006					
	GROWTH		★★★★★		MGS: ALSR UPGRADE A318					
	MUSCLE		★★★		Cow ID: ALSR D671					
	CARCASS		★★★★★							
	MATERNAL		★★★★★							
	FORAGABILITY		★★★★★							
	EPD	CE	BW	WW	YW	MK	CW	RE	MB	API
12.7		-0.1	81.5	134.8	17.0	36.1	0.22	0.79	150.9	91.2

SimAngus™

SimAngus™



Lot 38

### 39 FLYING H MR BENNETT H017

STAR RANKINGS

BD: 4/11/2020

Reg: AMSM 3739301

AL H017

Homo. Black

Polled

1/2 AN 1/4 GV 1/4 SM

DISPOSITION ★★★★★

Sire: BENNETT D922

GROWTH ★★★

MGS: ALSR D602


MUSCLE ★★★★★

Cow ID: ALSR F838

CARCASS ★★★★★

MATERNAL ★★★★★

FORAGABILITY ★★★★★



Show Me Select  
Heifer Qualified

EPD


CE	BW	WW	YW	MK	CW	RE	MB	API	TI
15.3	-0.9	70.1	115.0	22.1	37.0	0.58	0.40	131.3	77.2

Fusion™

Fusion™

Show Me Select  
Heifer Qualified

### 40 FLYING H MR PAYWEIGHT 539H

STAR RANKINGS	BD: 9/30/2020			Reg: AMGV 1496617			FHG 539H		
	Black			Polled			1/2 GV 1/2 AN		
	DISPOSITION ★★★			Sire: POST ROCK BLK BAL 317C8					
	GROWTH ★★★			MGS: BARSTOW CASH					
	MUSCLE ★★★			Cow ID: FLYING H 252Y/CASH 262F ET					
	CARCASS ★★★			 <i>Show Me Select Heifer Qualified</i>					
	MATERNAL ★★★★★								
EPD	FORAGABILITY ★★★★★								
	CE	BW	WW	YW	MK	CW	RE	MB	FPI
	20	-4.8	62	98	19	33	0.34	0.31	80.45

Balancer®

Show Me Select  
Heifer Qualified

## NOTES



## **Understand It's Worth Before You Give it Away...**

### **THE VALUE OF HETEROSIS**

*By Bob Weaver, Ph.D., Cow-calf Extension Specialist/Professor,  
Department of Animal Science and Industry, Kansas State University, Manhattan, Kansas*

**T**he dramatic changes and volatility cow-calf production system input costs and calf values have many producers wondering about the value of heterosis in today's beef industry pricing structure. Many producers are seeking ways to improve cow-calf production efficiency and profitability. Profitability may be enhanced by increasing the volume of production (i.e. the pounds of calves you market) and/or the value of products you sell (improving quality). The reduction of production costs, and thus breakeven prices, can also improve profitability. Better yet, improving the input:output ratio should enhance profit. For commercial beef producers, the implementation of technologies and breeding systems that increase the quality and volume of production and reduce input costs is essential to maintain or improve the competitive position of the operation. Some producers are thinking of establishing a more conventional straight breeding system to improve end-product value traits and want to understand the value they are giving up as they sacrifice heterosis, while other producers are considering the establishment of a planned crossbreeding system to capture the value of hybrid vigor. Either way, to make an informed decision, producers need to know the value generated in their herd by heterosis or hybrid vigor.

To fully understand the trade-offs, it is essential to know what it is you sell and how you sell it. The lure of premiums for high quality beef carcasses is appealing; it gets lots of trade publication promotion and it can be profitable. No doubt growing the top-line of the beef value chain and satisfying customers is important. That said, if you are producer that sells calves at weaning you have very limited opportunity to capture the value of selection pressure you place on end-product quality at the expense of other traits or loss in heterosis. It is also true that even if you own the cattle to harvest and are paid on a grid, you only get a fraction of the value of the improvement, albeit bigger than the calf premium.

Conversely, the value of heterosis affects every cow on your outfit and it is value that you can capture every year no matter how you sell calves. More importantly, it's not a \$20 or \$40 or \$60 premium per head you might get for selling calves or carcasses... the heterosis premium is much, much more.





# Flying H Genetics Grown On Grass™ Herd Bull Sale

The use of crossbreeding offers two distinct and important advantages over the use of a single breed. First, crossbred animals have heterosis or hybrid vigor. Second, crossbred animals combine the strengths of the parent breeds. The term 'breed complementarity' is often used to describe breed combinations that produce highly desirable progeny for a broad range of traits. With useful across breed EPDs and adjustment factors, we can effectively select for improvement in a wide range of traits including carcass traits, while seeking to build environmentally adapted cows that leverage the power and value of heterosis.

Improvements in cow-calf production due to heterosis are attributable to having both a crossbred cow and a crossbred calf. The two tables below detail the individual (crossbred calf) and maternal (crossbred cow) heterosis observed for various important production traits. These heterosis estimates are adapted from a report by Cundiff and Gregory, 1999, and summarize crossbreeding experiments conducted in the South-eastern and Mid-west areas of the US. Heterosis generates the largest improvement in lowly heritable traits. Traits such as reproduction and longevity, essential for cow-calf profitability, have low heritability. These traits respond very slowly to selection but heterosis generated through crossbreeding can significantly improve an animal's performance. The largest economic benefit (roughly 66%) of crossbreeding to commercial producers comes from having crossbred cows (Table 2.) Crossbreeding has been shown to be an efficient method to improve reproductive efficiency and productivity in beef cattle.

A variety of crossbreeding systems yield 20-30% improvements in weaning weight per cow exposed not including the additional value generated through sire selection within breed. This represents a substantial change in output given relatively constant input. Simple examples of a 23% increase in weaning weight per cow exposed using a terminal sire/F1 (two cross) cow can generate \$150-200 additional revenue per cow per year. I'm not aware of any set of calves that have generated carcass premiums of \$200 premium per cow exposed regardless of breed or grid. In today's calf prices the value of heterosis for a herd of 100 cows is \$15,000 to \$20,000 per year and represents a decrease in breakeven costs of more than \$30/cwt on 600 lb calves.

A well-constructed crossbreeding system can have positive effects on a ranch's bottom line by not only increasing the quality and gross pay weight of calves produced but also by increasing the durability and productivity of the cow factory. As you make your decision to straight-breed or cross-breed make sure you don't give away a couple hundred dollars per cow to make a \$20-60 premium per calf sold at market or on the rail when you can go for both!



**Table 1. Individual Heterosis**

<u>Trait</u>	<u>Units</u>	<u>% Heterosis</u>
Calving Rate, %	3.2	4.4
Survival to Weaning, %	1.4	1.9
Birth Weight, lb.	1.7	2.4
Weaning Weight, lb.	16.3	3.9
Yearling Weight, lb.	29.1	3.8
Average Daily Gain, lb./d	0.08	2.6

**Table 2. Maternal Heterosis**

<u>Trait</u>	<u>Units</u>	<u>% Heterosis</u>
Calving Rate, %	3.5	3.7
Survival to Weaning, %	0.8	1.5
Birth Weight, lb.	1.6	1.8
Weaning Weight, lb.	18.0	3.9



*Grown On Grass,™ — Fescue Adapted Bulls*

## Flying H Genetics



We're here to help by providing...

### FEMALES FOR SALE

- Bred Cows
- Yearlings (Open or Bred)
- Weaned Heifer Calves
  - Spring or Fall
- Commercial or Registered

### MARKETING ASSISTANCE

- Customer Calves
- Customer Females





# Scrap Book 2021





## WHAT DOES THIS MEAN?



**BRED 4 PROFIT** is fairly easy to explain, we're talking genetics both measured and observed. Utilizing DNA enhanced EPDs combined with phenotypic criteria allows us to make genetic progress in multiple traits at the same time. These tools allow us to produce Superior Genetics and some not so superior genetics that must be eliminated. With Flying H Genetics' 17 Quality Standards as our guide we can now produce more Superior Genetics than ever before.

**BUILT 2 WORK** is a challenge because it requires us to do what is right and not necessarily the most profitable.

For many decades, most bulls sold have been developed for Sale Day--clipped and washed and fattened to look their very best so they'll bring more money.

Not a bad idea from the seller's side of the fence, but what about the bull and the bull buyer?

Why is it so hard to put the buyer and the bull first when deciding how to develop sale bulls? Excess FAT is detrimental to both the bull's longevity and the buyer's ability to evaluate true muscling, thickness and growth. Does 200 pounds of extra fat really make the bull more muscular or growthy just because he weighs 200 pounds more? NO!

We know EPDs predict genetics but did you know that FAT predicts lazy, bad footed bulls?

Flying H Genetics has been developing ROUGHAGE 'N READY and GROWN ON GRASS/ FESCUE ADAPTED Bulls for years because it's better for the bulls and our customers. Our bulls are developed into athletic, muscular and aggressive breeding machines with hard, sound feet and legs, correct structure and are guaranteed breeders. Take your pick—Superior Genetics BUILT 2 WORK!

## Are Fescue Adapted Bulls Better?



Have you ever run a marathon, taken a driving test, played golf or went deer hunting without getting prepared? I doubt it, but if you did you probably did not do very well. So, why would you buy fat, lazy bulls that are fed way too much corn to look good and thick and then turn them out to work at breeding cows on Fescue grass for which they are not prepared?

Yes, Fescue Adapted, Grown On Grass® bulls are better because their superior genetics are designed and developed to work for a living. They are athletic, conditioned and ready to do the job you expect them to do. They will not be fat but they are muscular, structurally sound with good feet and legs, and conditioned to work hard for you.

Even if you don't have Fescue grass, being Grown On Grass® ensures that our bulls will be able to perform, breed, and thrive on ANY type of grass/forage.

It took a while to "figure it out," but developing bulls on Fescue Grass in Missouri is a customer friendly, proven concept that really does work. Our customers tell us our Grown On Grass® Fescue Adapted bulls are more aggressive, breed more cows and last longer because of the way we develop them.

**FLYING H GENETICS' FESCUE ADAPTED BULLS ARE BETTER BECAUSE YOU GET SUPERIOR GENETICS DEVELOPED TO DO THE JOB YOU EXPECT THEM TO DO WITHOUT ANY FRUSTRATING DELAYS!**





## FLYING H GENETICS DISPOSITION SCORING

Because disposition is a very important management and safety issue, Flying H Genetics has researched and developed a system to score all of their cattle, including any cattle sold for breeding purposes, for disposition to eliminate the unacceptable ones. We have been culling on disposition for years but scoring them quantifies and identifies them more accurately making culling more accurate and effective.

Cattle are a herd instinct animal. Separate them from the herd and their natural response is to flee back to the group or fight for their life. Domesticating them has gentled them but their natural instincts of flight and fight are still there at varying degrees. Generally, the sooner and more often cattle are in contact with and handled by humans in a calm, non-threatening way, the more trusting and less flighty or threatened they will feel.

**Knowing this, our system separates an individual animal from the group into a small pen with one or two people to add a common stressor. Since all cattle have a different disposition (just like people) this will create different degrees of nervousness, flight and fight that can be scored.** Scoring the different levels of nervousness, flight and fight allows us to identify different levels of disposition. The scores range from 1 to 5 with 5 being the most calm. This is a subjective score but certain actions help group the cattle into the five different levels. Following is a general description of the type of actions observed while scoring that help rank each individual's disposition.

**One Star**—animal is very nervous and agitated and is looking for an escape route. Will not stop and stand, tests the fence and will show fight and turn on you if pressed. When the out gate is opened he leaves on the run. He's always at the back of a group, head up and keeps his distance. He will make others nervous and flighty and is hard to sort from the group. Anything new will create great distress and he will get more agitated the longer he's held separately. Due to safety issues, these are culled immediately.

**Two Star**—animal is nervous and very uncomfortable. He will keep moving, walking the fence and trot or run if approached. Not as likely to show fight but will exit fast. Very observant and

Lot		FLYING H		Breed	
BD:		Reg:		Tag	
Color		Polled		Breed	
STAR RANKINGS	DISPOSITION ★	Sire:			
	GROWTH ★	MGS:			
	MUSCLE ★	Cow ID:			
	CARCASS ★				
	MATERNAL ★				
EPD	FORAGABILITY ★				
	CE	WW	YW	MK	CV

DISPOSITION	★★★★★
GROWTH	★★★★★
MUSCLE	★★★★★
CARCASS	★★★★★
MATERNAL	★★★★★
FORAGABILITY	★★★★★

keeps his distance even in a group. He will be a little hard to sort from the group. He's always nervous and flighty in a strange situation. He presents a safety concern and causes handling problems with the whole herd so is culled ASAP.

**Three Star**—animal is uncomfortable wanting to keep distance. He will stop but is very attentive and moves without much pressure. He'll exit at a fast walk or slight trot. Handles fine in a group but gets nervous when separated, wanting to rejoin the herd. Can get excited if pressured or forced out of comfort zone so low stress, low pressure handling helps.

**Four Star**—animal moves when pressure is applied but will stop easily. Will stand and allow you to approach but not get too close. Exits at a walk. Fast movements, loud noises and strange situations will make him nervous. Low stress handling works great.

**Five Star**—animal is very calm and gentle, easy to sort and move. Will stand, allow you to approach and maybe touch him and may even approach you. Needs to be urged to leave the pen. Can get excited but calms down quickly. Responds well to proper handling.

## BREEDING SOUNDNESS DEVELOPMENT & EXAM

Every bull we sell has had a thorough breeding soundness exam of his testicles for size, conformation, and overall quality. His prostate and seminal vesicles are also examined via rectal palpation to make sure he is free of any infection. Each bull has given a high quality semen sample examined under a microscope by a veterinarian. Furthermore, each bull receives the following vaccination protocol for his protection and durability:

- Wormer (pour-on, injectable or oral)
- Blackleg (Clostridial vaccine)
- Modified live-5 way (Lepto, Vibrio, BVD Type 1 & 2, IBR)
- Multi Min 30 injectable mineral
- Individual metal ID ear clip that will correspond to all state and federal regulations for animal identification. Each bull also comes with complete documentation of his BSE & semen test





## IDENTIFYING HEIFER BULLS



It is very important to correctly identify bulls to be used on first calf heifers. Therefore, we use a combination of two tools. We start with the guidelines for heifer bull qualification established by the University of Missouri Extension's **Show-Me Select Heifer Program**. This system ranks bulls with the desired amount of calving ease or CE to work on heifers and minimize any chance of calving difficulty due to the size and shape of the calf. The Show-Me Select Program has set minimum thresholds for CE that a bull **must** have to be used on a heifer. Furthermore, those standards are based on EPDs calculated by breed associations only - i.e. no generically calculated numbers. We also use some data we collect to help strengthen the accuracy of this process. We analyze a bull's birth weight and physical design to assess their ability to make a "sleep at night" CE bull. All Bulls in this catalog that meet or exceed the standards set by the Show-Me Select Program and our secondary evaluation will be identified by the "Show Me Select Heifer Qualified" stamp in their lot box. If you have any questions contact us and refer to the Show-Me Select website at <http://agebb.missouri.edu/select/prgmreq.htm>

## DEATH & INJURY WARRANTY

Flying H Genetics has offered to share death and injury losses suffered during the first breeding season with customers for years. After some confusion over the old warranty and interest by many customers to cover the full cost of their purchases at a reasonable cost, we have initiated the following warranty:

### COVERAGE/LIMITATIONS

The coverage of this warranty is limited to the first breeding season or a maximum of 6 months from the date of purchase, unless other arrangements are made ahead of time. Indemnity under this warranty covers all death and loss-of-use injuries except those caused by negligence or willful misconduct or mistreatment of the bulls covered. Replacement value will be limited to actual purchase cost of the Flying H Genetics bull covered minus any salvage value or other compensation received by the customer.

### CLAIMS

All claims for death or injury must be reported to Flying H Genetics within 24 hours of discovery and a complete diagnosis by a licensed veterinarian must be reported.

### INJURED

If the injury is not life threatening or permanent and the bull can be returned to service, Flying H Genetics will work with the customer to supply a replacement bull to use at no cost, until the original bull can be returned to service.

### LOSS DUE TO INJURY

If the injury is permanent and prevents the bull from returning to service, Flying H Genetics will supply a replacement bull as close to the original bull's type and quality as possible to complete the first breeding season. At the end of the breeding season, the customer can keep the bull as

## VOLUME DISCOUNT ON BULLS

Volume discount of 5% will be credited on 5-9 bulls and 10% discount will be credited on 10 or more bulls purchased in either the Nebraska or Missouri sales or combined purchases from both sales. You can use your purchases in Nebraska to help meet the volume discounts in Missouri to be applied to bulls purchased in Missouri.

## LIMITED FREE DELIVERY

Flying H Genetics has offered limited free delivery for 20 years as a customer service and because we think it is important to visit your ranch, see your cattle and make sure our cattle are helping you produce the genetics you want.

Since we sell cattle nationwide, fuel and equipment costs force us to put some limits on free delivery. The seed stock business, like all other businesses, must address the costs of product delivery as part of their overall customer service plan.

To treat every customer fairly, we have established the following delivery policy:

- A. Every animal valued over \$3,000 will be delivered free within 200 miles of sale location.
- B. All other animals valued over \$3,000 will be delivered the first 200 miles free with additional miles prorated per head with freight charges guaranteed not to exceed \$250 per head.
- C. Animals valued less than \$3,000 will be delivered on a case by case basis. If you have any questions, please contact our FHG Staff.

the replacement bull as fulfillment of this warranty or return him to Flying H Genetics and receive credit on a replacement in any upcoming sale. The credit will equal the price of the original bull minus salvage value if any from the original bull. The customer agrees to provide humane care and obtain maximum salvage value from the injured bull. This guarantees the customer a bull to get their cows bred and full compensation for the purchase price of the bull through a replacement they get to pick and price.

### LOSS DUE TO DEATH

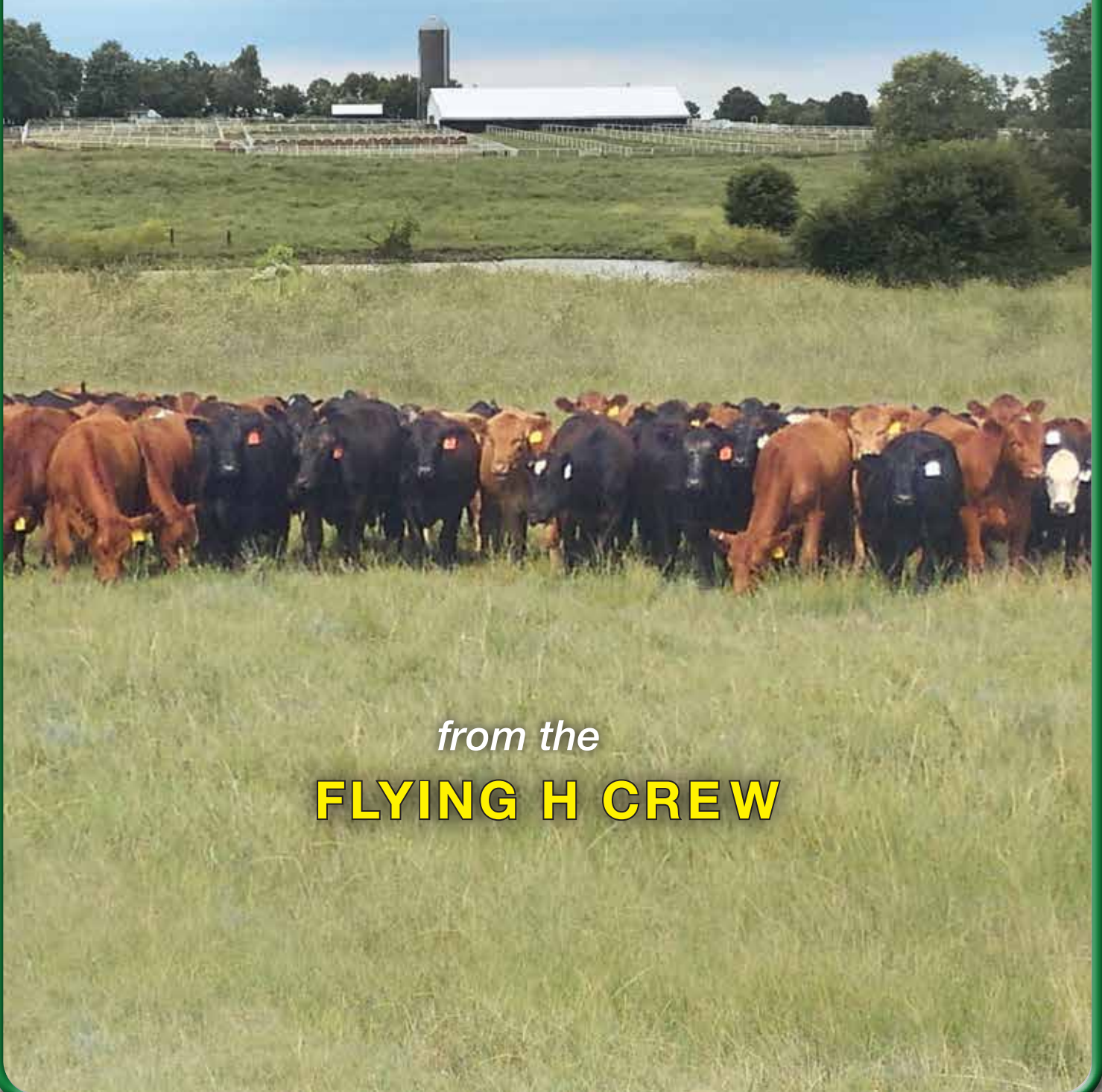
When a Flying H Genetics bull dies between the date of purchase and the end of the first breeding season, through no fault of the customer as described above, Flying H Genetics will supply a replacement bull, as close to the original bull's type and quality as possible, to finish out the breeding season. At the end of the breeding season, the customer can either keep the replacement bull as fulfillment of this warranty or return him to Flying H Genetics and receive credit on a replacement in next year's sale. This credit will equal the purchase price of the original bull minus any compensation received if insured by an insurance company. This guarantees the customer a bull to get their cows bred and full compensation for the purchase price of the bull through a replacement they get to pick and price.

### COST

Cost for the death and injury warranty will be 10% of purchase price, due at the time of purchase. If a customer chooses not to cover their animal against death and injury, they assume all loss due to death or injury of their bull. This warranty does not affect other customer services like the quality and calving ease guarantees that all Flying H Genetics bulls carry.



*Thank You*  
*for your support*



*from the*  
**FLYING H CREW**





**FLYING H GENETICS**

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Dick & Bonnie Helms

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**SALE**

