In This Issue:

EPD FAQs: Part 1

Settling in with SimAngus™

Hair Shedding Scores: A Tool to Match Cows to their Environment

SimAngus™ Genetics that Tolerate the High-Altitude Environments

Breeding Season Strategies from the Experts
Before you load that new bull . . .

There is something you deserve to know.

The Problem:
Cattle feeders are experiencing abnormally high death loss with many straightbred calves.

The Solution:
Responsible Crossbreeding with Simmental

Highlight the health and genetic value of your Simmental influenced calves through the IGS Feeder Profit Calculator™.
BIG COUNTRY GENETICS

BULL SALE ★ POWELL, WYOMING ★ 4.6.19

REFERENCE SIRE

NLC COW BOSS 160C ASA: 2978190 PAP: 38 (7,680')

SALE BULLS

1424E
ASA:3382993

1129E
ASA:3425893

863E
ASA:3402104

1508E
ASA:3383010

1125E
ASA:3407512

SELLING 30+ COW BOSS SONS
65 18+ MONTH OLD BULLS, 30 YEARLING BULLS
SIMENTAL ★ SIMANGUS™ ★ ANGUS

These bulls perform in harsh desert country and are pasture developed in Powell, Wyoming. All bulls sell with a one-year breeding season and PAP guarantee.

RANCH BULLS READY TO WORK

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bigcountrygenetics@gmail.com
www.xlranch.org

Marty Ropp
406-581-7835
Cory Winters
236-590-2487
www.alliedgeneticresources.com

QUIN LAFOLETTE
Black Summit Cattle
307-999-3353

XL
CATTLE COMPANY
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A yearling bull from the herd of Sunflower Genetics, Maple Hill, KS. Photo by Morgan Meisenheimer.
Looking Good From All Angles

CCR BOULDER 1339A ASA 2880390
HOOVER DAX'S TRIPLE C L. TAYLOR

MUSCLE AND MATERNAL
- One of the highest used bulls at ABS due to his calving ease, maternal, and product and striking good looks
- Ranks in the top 10% breed for birth weight, docility, end product and beef indexes
- Progeny proven - they calve easy and display his good looks - you will love them at weaning
- Use to moderate frame, add flesh and muscle in one generation
- DNA tested homozygous black, homozygous polled, 1/2 SM, 1/2 AN

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HOOKS BEACON 56B ASA 2854180
HOOKS SWARE FROST 39X & GW PREDESTINED 7017

DOMINANT PUREBRED GENETICS
- Highly proven purebred sire that leads the breed for All Purpose Index
- Four star calving ease with strong growth and top 1% Maternal Calving Ease, Marbling and Rib Eye Area
- Progeny have terrific feet and structure with extra heel
- High producing, good uddered dam with progeny ratios of 109 BW, 112 WW, 107 IMF and 111 REA
- DNA tested homozygous black, homozygous polled by parentage (DNA confirmation pending), PB SM

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ASR LONGEVITY Y184 ASA 2598898
ASR/GLS PACSETTER U862 x ASR SHOWCASE K053

COW MAKER DELUXE
- Top 25% API backed by a cow family known for good feet, sound udders, excellent fertility and amazing longevity
- High performance sire with proven carcass value and a top 10% Terminal Index
- Use LONGEVITY to sire high performance, high value calves and daughters that will keep you in business for the long term
- DNA tested homozygous black, homozygous polled, PB SM

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LEACHEMAN CADILLAC L025A ASA 2760758
HOOKS TRINITY 97 x LCC GRAVITY B252L

LUXURY AND QUALITY Crossover
- CADILLAC is a red SimAngus™ who is re-writing the book for performance and eye appeal with measured total profitability
- His consistent progeny are impressing ranchers across the country with their calving ease combined with incredible performance and phenotype
- Progeny proof has established CADILLAC as a curve bender, balanced trait sire with added substance and style
- Dam is by the legendary GRAVITY, sire of super moderate, big ribbed, and heavy muscled females
- DNA tested homozygous polled, 3/8 SM, 3/8 AR, 1/8 AN, 1/8 CS - (said simply 1/2 SM, 1/2 AN)

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Consider these must use sires for 2019. Contact your local ABS representative or call 1.800.ABS.STUD

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ABSGLOBAL.COM | 1.800.ABS.STUD
Crossroad Radium 789U

Crossroad Radium – proven calving ease sire, just turned 11-years-old and still going strong! We still have some really nice sons of Radium and Yuma available. Quality has no substitute!

STANLEY MARTINS FARMS
141 Hwy 18
Postville, IA 52162
563-419-2444 (c)
563-864-7305 (h)
Please google stanleymartinsfarms for more information.

MS Zdenoa –
Radium Granddaughter

Reida –
Radium Daughter

We sell bulls every month of the year. 90% of our bulls sell from $3,000-5,000.
PAY ATTENTION to Calving Ease
Your heifers are counting on you!

7SM71 IN FORCE
SDS IN FORCE 112Y
2593861 | Shear Force x In Focus
He is a Calving Ease sire who adds Marbling and makes idea, moderate-framed replacement females.
CE: 15.3 BW: -3.4 WW: 50.6 YW: 72.2
MILK: 33.3 API: 156.1 TI: 76.9

7SM80 WIDE RANGE
CCR WIDE RANGE 9005A
2725666 | Graduate x In Dew Time
Expect his bulls to be deep-bodied and stout-made and his daughters to have great udder quality.
CE: 13.2 BW: 0.2 WW: 82.2 YW: 126.3
MILK: 15.8 API: 127.8 TI: 77.1

7SM85 TRIPLE CROWN
GW TRIPLE CROWN 018C
295471 | Nightmie x Predestined
A Calving Ease SimAngus™ choice that adds much more with a top Marbling and top API ranking.
CE: 14.8 BW: -1.7 WW: 73.3 YW: 121.2
MILK: 16.5 API: 172 TI: 90.4

7SM83 UNIFIED
TNT UNIFIED B203
2902090 | UNITED x Tanker
1/2 SM 1/2 AN | Homo. Black | Homo. Polled
Unique to his sire, UNIFIED is a Calving Ease option who possesses growth and carcass traits like UNITED.
CE: 18.6 BW: -2.4 WW: 77.3 YW: 116.9
MILK: 23.2 API: 132.1 TI: 81.6

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YOUR SUCCESS Our Passion.
Phone: (614) 873-4683 • www.selectsiresbeef.com
It’s Fleckvieh Time...

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- Double E Fleckvieh - F810
- Full Circle Farms - 1219E
- Diamond M Ranch - F801
- Rugged R Cattle - 7079E
- Ruby Lane Farm - 103E
- Ruby Lane Farm - 152E
- Diamond M Ranch - F802
- Double E Fleckvieh - F807
- Rugged R Cattle - 7070E
- Double E Fleckvieh - F800
- Diamond M Ranch - F808

Full Circle Farms
Grady & Tamika Ranch
417-366-2690
fullcirclefarms@outlook.com

Rugged R Cattle
Tony & Becky Roberts
318-267-4426
rdruneroberts@yahoo.com

Faulkner Farms
Mason Faulkner
501-472-5132
masanfaulkner@live.com

Ruby Lane Farm
John & Casey Smith
979-224-5144
johncaseyssmith@yahoo.com
Fleckvieh

- the heterosis optimizer
- baldy making specialist
- truest breeding consistency
- maternal master
- bred with integrity

Contact any of these breeders to meet your Genetic needs.

Freedom Run Farm - 784
Log Land Farms - 26Y
Fortune, Ken & Steve
Log Land Farms - FORTUNE
Log Land Farms - 412Y
Freedom Farms - 1208A
Fall Carlo Farm - 7114T

Bob & Anne-Marie Rosch
734-216-6834
amrosch@aol.com

Lance, Lacy, Lagen & Landon Smith
479-414-9944

Eric & Erin Sookup
319-361-5812
eric@doublefleckvieh.com

Rodney and Margo Mathers
605-999-4000
Mmath_mapg@yahoo.com
When cattle producers call the ASA office, one of the most common questions I am asked, besides how the weather is in Montana, is: “When is the deadline to submit ‘this’?” or “I am traveling, can I find that on my phone?”

You are busy, and you want a quick, easy way to get the information you need when you’re out in the field, delivering bulls, or taking steers to the local sale yard. You don’t have time to run in and warm up the computer to see when something is due or when an event is happening.

Now, ASA has an app for that! Recently, ASA released the SimmApp. Producers can find the information right at their fingertips — on their smartphone.

From SimmApp, you can set reminders for ASA deadlines like Total Herd Enrollment, Association news and updates, and announcements about events. Or, if notifications bug you, don’t worry. You have to opt in to be notified, and you can still access all the other information SimmApp offers.

On your smartphone, you can download the SimmApp on the Amazon App Store, Google Play, or Apple store.

Highlights from SimmApp:

- Get the latest beef industry news
- Receive ASA alerts
- Read the latest SimTalk and the Register magazine
- Look at bulls featured in SireSource
- Find industry, ASA, and AJSA events and deadlines
- Search for an ASA animal or member
- Read about SimGenetics producers, educational articles, and Herdbook programs and services on ASA’s blogs
- Send SimGenetic cattle photos to ASA Publication. (You could find your photo on the cover of the next magazine!)
- Access ASA videos on YouTube
- Find ASA and AJSA Facebook, Instagram, and Twitter pages
- Access press releases

I think you get the picture. This app gives cattle producers what they are looking for, right away. So, I guess in the future, you better be calling me just to ask about the weather in Montana. It’s been snowing all day today.

ST
# Figures and Phenotype

**WENTZ**

Reg#: 3312184

G A R PROPHET x SRS NETWORK 13N

- WENTZ is a stout, powerfully constructed bull that is pure mass and density from end to end. He is a true growth and performance bull that will add muscle shape and pounds to his progeny.
- WENTZ had stellar individual ratios; he was 104 at BW, 107 at WW, 113 at YW, 152 for IMF and 102 for REA.
- With outstanding eye appeal and backed by strong performance data, watch for WENTZ to be a well-sampled young sire in 2019.

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**EAGLE**

Reg#: 3253742

Hook’s Black Hawk 50B x GW-WBF Substance 820Y

- EAGLE was arguably the most exciting Simmental bull of the spring 2018 bull season and comes from Hook’s Farms!
- He combines exceptional phenotype with an impeccable genetic profile and is backed by a sound-footed, prolific cow family with great fertility and consistency.
- The first EAGLE calves are being born easily with excellent vigor. At only a few weeks old, they are quickly exhibiting the early growth one would expect from EAGLE’s breed-leading EPD profile.

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888.333.1783 // www.genex.coop

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Whitney Farm, located in the gentle rolling hills of north-central Georgia, is fully utilizing Simmental genetics in their newly established commercial operation. After a successful career in the lumber industry, Rusty Wood quickly dove into the cattle business when retirement didn’t stick. While most starting out in the cattle business as a second career have a handful of females and do it for fun, Wood wanted to actually be involved in the beef industry and now has 250 Sim-Angus™ females. With big goals for the future, Whitney Farm is now a respected commercial operation.

**Starting Strong with Simmental**

“I had been around cattle. My father-in-law had cattle and I just always had the desire to be involved,” recalls Wood. “My joy in the cattle has exceeded what I thought it would be.”

Wood was the president of a lumber company, and his data-driven mindset was ready for the cattle business. After retiring, he was ready to move into another venture, purchasing his first set of females in December of 2016. The farm itself fit Wood’s vision for his new business, and the previous owners used their first-hand knowledge of the land to help him develop water troughs, fencing, corrals, and much more. “We had to establish our pastures, which has been a two year process,” explains Wood. “We planted Novel Endophyte Fescue and Bermuda grass.”

An additional draw to the property was its proximity to the University of Georgia. Wood sought out the advice of Dr. Dennis Hancock, who is considered a top forage expert. With this expertise, Wood has been able to create a detailed plan for the future of his pastures. He has also used the advice of South Carolina Simmental breeder Joe Davis, who sustains his cattle almost entirely on grass, only having to feed hay on rare occasions. “Joe Davis is the best grass man in the south,” says Wood.

The goal of creating an operation not dependent upon hay is attainable but presents challenges. The area experienced drought-like conditions in 2017, and the weather in general can make the path to getting pastures to their full potential difficult. “As in any farming operation, the weather does present challenges, such as being too dry or too wet,” explains Wood. “It will be exciting to have all of the pastures planted and done.”
Fertilizer and a strategic plan are part of Wood’s management of grass. “Our commitment to our pasture development includes fertilizing all pastures in the spring with liquid nitrogen and in the fall with two tons of chicken litter per acre. The early results have been excellent,” he explains.

Data and Details

Whitney Farm runs commercial cattle with a data-driven mindset. “When I was in the lumber business I was very data driven,” recalls Wood. His initial goal was to have an operation large enough to run as a viable business. To accomplish this, he started with 85 bred heifers, later purchased 90 heifer calves and 45 bred heifers, and is now up to 250 head.

Wood immediately knew he wanted to start with Simmental and Angus cattle. “With SimAngus, we chose the best of the Continental breeds, Simmental, and the best of the English breeds, Angus,” explains Wood. “Our two calf crops have certainly proven that decision to be a good one.”

Starting with these high-quality SimAngus females has allowed Whitney Farm to grow quickly, and Wood continues to keep back all females as replacements. Upon reaching the capacity Wood would like, he plans to sell heifers. “We hope to constantly improve our herd by aggressive culling, and with a continued focus on the highest quality of AI and natural service,” he explains.

All females are bred AI during the first part of December, and cleanup bulls from Gibbs Farm are turned out afterward for 60 days to produce a tight calving season. All females calve outside and are required to be self-sufficient.

Nutrition is an important part of Wood’s breeding program. “In our nutrition program, our cattle have access to their mineral ration year round. We supplement our cattle with a mixture of whole cottonseed and distillers grain,” explains Wood. “We supply this supplement beginning 30 days prior to breeding, beginning November 1, and continuing 30 days after removing the cleanup bulls at the beginning of March. We want their nutrition and energy on the upswing during this critical period,” he continues.
PROVEN CALVING EASE WITH LOTS MORE!

ALL ARE HOMOZYGOUS BLACK AND HOMOZYGOUS POLLED!

CLRS DIVIDEND 405D
Purebred | Homozygous Black & Polled

SIRE: CLRS AFTER SHOCK 604A | MGS: GW PREMIUM BEEF 621TS

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CDI EXECUTIVE POWER 280D
Purebred | Homozygous Black & Polled

SIRE: W/C EXECUTIVE ORDER 8543B | MGS: GW-WBF SUBSTANCE 820Y

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SEMIN VISIONS
SIMANGUS® | Homozygous Black & Polled

SIRE: J BAR J NIGHTRIDE 2252 | MGS: BAR CR TEBOE 1006K

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A PROVEN calving ease sire that has jumped through all the hoops! Impressive phenotype, structure, genetics and data. His first calves are PHENOMENAL!

TRUE Proven Calving Ease! Maternal Brother to Denver Champion CDI Mainline, and flush brother to Wernig’s CDI CEO! AMAZING genetics, and valuable progeny!

LCRR THR MNT PASS 6219D
SIMANGUS® | Homozygous Black & Polled

SIRE: J BAR J NIGHTRIDE 2252 | MGS: NLC PAYDAY 16P

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BRIDLE BIT REMBRANDT D630
SIMANGUS® | Homozygous Black & Polled

SIRE: J BAR J NIGHTRIDE 2252 | MGS: BAR CR TEBOE 1006K

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DEPENDABLE calving ease predictability, top 1% BW and API EPDs! He is IMPRESSIVE phenotypically, and one to use on heifers for stress free, easy births.

EPDs as of February 12, 2019.

Call Dan at 308-750-0200 or email sales@apexcattle.com

DANNEBROG, NEBRASKA

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APEX CATTLE.COM
A MUST USE SIRE THIS SPRING!

WS PROCLAMATION E202

#3254156 | Purebred | Homozygous Black & Polled

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Montpellier, ND | 701-489-3583

SIRE: CCR COWBOY CUT 5048Z
DAM: WS MISS SUGAR C4
MGS: CLRS GRADE-A 875 A

- Cowboy Cuts finest son, and now PROVEN an extraordinary sire that is already impacting programs worldwide.
- CALVING EASE ++++...Reported in numerous herds, his calves are CONSISTENTLY born easy with modest birth weights displaying superb quality and structure.
- Proclamation is appreciated by all for his for his impressive phenotype, wealth of natural muscle, eye appeal, large scrotal size and excellent feet. His disposition could not be better!
- Incredibly powerful, square hipped, super sound structured and with exceptional performance data and EPDS.
- Marty Ropp, Allied Genetic Resources, stated that “his dam is, without question, destined to be one of the breed’s greatest young donors.” Her top three sons have sold for a total of nearly $300,000, and Proclamation is the premier one!
- Order his semen early to ensure you are not on a waiting list!

SEMEN AVAILABLE

SEMEN $40/UNIT

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2019 SEMEN DIRECTORY AVAILABLE AT APEXCATTLE.COM!
As a commercial operation, genetic selection at Whitney Farm is as strict as within a seedstock program. Wood places a high priority on the quality of bulls he AI’s to and buys for cleanup, placing priority on numbers and phenotype. “I want $API and $TI to be in the top 5%, with high marbling and good disposition,” he explains.

In addition to this focus, Wood always looks at the cow family before choosing genetics, giving a lot of credit to the success of the female. As an accomplished newcomer to the cattle business, he appreciates having tools, like $API and $TI, when choosing bulls.

**Forward Thinking Future**

One of Wood’s future goals is to feed out steers on-site, and have the ability to collect growth and carcass data. They have also targeted a market for these steers by not using antibiotics unless necessary, and also choosing to not use hormones. Wood quickly points out that they will treat an animal with antibiotics if they need it. “Obviously we won’t let an animal suffer,” explains Wood.

However, they have found that with good management, antibiotics are rarely necessary, and by not using them an entire market is opened up for their future. “We desire to market our cattle at the best price and believe that in that market we get a premium,” says Wood.

As part of this management program, all calves are currently fenceline weaned. “We precondition all of our calves and always fenceline wean. We think it’s the low-stress way to wean calves,” explains Wood.

**Forging Ahead**

Family is a cornerstone of Wood’s operation. His wife, Terry, enjoys spending time around the cattle, and the namesake of the farm is their daughter, Whitney, who lives in Brooklyn with her husband, Stephen, and daughter, Cuyler. The farm employs Roberto Rojas full time, who is skilled with all aspects of running a cattle operation.

Wood has jumped into the cattle business feet first, and has serious goals for the future of Whitney Farm. “My goal is to manage our business in a similar fashion in which we set the standard in the lumber industry. We were data driven to the point that we measured everything that could be quantified. We called our data points Key Performance Indicators (KPI’s) and we were so detail oriented that nothing fell through the cracks. We certainly have a way to go to attain the excellence we strive for, but that is our goal.” Wood concludes.
SAFETY ZONE
CALF CATCHERS
A Cowman’s Best Friend at Calving Time!

Designed for Processing Safety...
- Enables quick and safe calf catching!
- Convenient, step-in access of producer!
- Holder secures calf for easy processing!
- User-friendly inside release of calf to cow!
- Move calves easier with cow following!
- Less cow stress, mother can see and smell calf!
- Reduces danger while working new calves!
- Quick Mount/Dismount on both ATV & UTVs!

Robert Burry, PA - “I am 63 and work alone so I wouldn’t be calving without it. You can do a much better job of processing the calf when you don’t have to worry about mama! I would recommend it to anyone.”

Lucian Jordan, NC - “This is the best thing since sliced bread. No more fighting the cow, no rush getting the tag in or band on. This is the safest low stress tool on the farm.”

Cole Kilpatrick, IA - “It has made handling calves much easier and safer. Our cows, for the most part, are docile, but knowing we have the added safety of the Safety Zone Calf Catcher has truly allowed us to operate more efficiently. Hands down the best customer service I have had in years.”

ONE PERSON can now SAFELY and EASILY process calves without concern of the protective mother cow!

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LLSF Addiction AY792
By Top Grade
EPDs: CE: 7 $API: 111 $TI: 66

WS Revival B26
By LLSF Uprising Z925
EPDs: CE: 12 $API: 119 $TI: 70

LLSF Pays To Believe ZU194
By CNS Pays To Dream T759
EPDs: CE: 8 $API: 111 $TI: 73

W/C Bankroll 811D
By W/C Loaded Up 1119Y
EPDs: CE: 14 $API: 135 $TI: 66

W/C Cash In 43B
By JS Sure Bet 4T
EPDs: CE: 12 $API: 117 $TI: 57

W/C Rolex 0135E
By Yardley Utah Y361
EPDs: CE: 15 $API: 132 $TI: 84

W/C Executive Power 280D
By W/C Executive Order
EPDs: CE: 15 $API: 133 $TI: 75

HPF Tradecraft D010
By JF Milestone 999W
EPDs: CE: 5 $API: 107 $TI: 67

W/C Bankroll 811D
By JS Sure Bet 4T
EPDs: CE: 14 $API: 117 $TI: 57

W/C Grandstand 6B
By W/C Wide Track 694Y
EPDs: CE: 14 $API: 142 $TI: 72

W/C Catchin A Dream 27X
By Dream Catcher
EPDs: CE: 7 $API: 129 $TI: 68

HPF Rockstar B332
By JF Milestone 999W
EPDs: CE: 7 $API: 117 $TI: 77

LHT Viper 65E
By W/C Loaded Up 1119Y
EPDs: CE: 17 $API: 130 $TI: 65

JBSF Logic 5E
By W/C Relentless 32C
EPDs: CE: 13 $API: 125 $TI: 64

Long's Stand Alone B35
By Built Right
EPDs: CE: 7 $API: 125 $TI: 69

SAS Big Bruzer Y131
By King of the Yukon (outcross)
EPDs: CE: 10 $API: 121 $TI: 67

Rousey Gold Strike 512C
By Hooks Trinity 9T
EPDs: CE: 16 $API: 158 $TI: 89

WLTR Nashville 22A ET
By High Voltage
EPDs: CE: 11 $API: 107 $TI: 69

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“Best piping bulls that you will find on the market. We have come to expect unrivaled customer service at T-Heart and the Temple family stands behind their product. The bulls not only handle altitude exceptionally well, but the bull’s progeny calve easy, grow fast and consistently have increased our bottom line.”

- Daniel Brinkerhoff, Bicknell, UT

“The T-Heart bulls have done well at altitude and their calves have thrived. I have been very pleased with the replacement females sired by T-Heart genetics because of their maternal traits and they have developed into great cows. I really appreciate working with Shane and Beth, they are a great resource for information and advice. My hat is off to T-Heart Ranch.”

- Tim Lehman
  Delcorita Ranches, Powderhorn, CO
HIGH ALTITUDE BULL SALE
March 23, 2019 || 1:00 PM (MT) || LaGarita, CO

“Not only do we have high praise for T-Heart’s bulls, but we have had the opportunity of pasturing a few thousand of T-Heart’s females. Our lowest elevation is 7,800 feet, and we have seen minimal death loss, great fertility and breed up from the T-Heart genetics. We view them as the TRUE SOURCE of altitude adapted cattle and you can expect exceptional customer service from the Temple family.”

- Randy Rush
WESTCLIFFE, CO

“We run cattle in the Sierra Nevada’s during the summer months and altitude sickness has always been an issue. I have been buying T-Heart bulls for five years now. They stay sound and the number of calves with High Mountain Disease has declined each year with 2018 being our first year with no calves having HMD.”

- Gabe Fogarty
SPAINHOWER ANCHOR RANCH, LONE PINE, CA

250 Simmental and SimAngus™ Bulls including the largest group of NLC COW BOSS 160C Sons

Other sires include:
GW MOUNTAIN DUE 373C • TNT THR UNITY D420 • HOOK’S BLACK HAWK 50B • LRS TEN X EXCELLENCE
HOOKS BEACON 56B • CLRS DAKOTA 427D • HOOKS CONFIDENCE 26C

True High Altitude Cattle
The Field name has been synonymous with Colorado ranching for generations. A sign of the times, the cattle operation is now a family-owned LLC headquartered in Gunnison, Colorado. Tom Field, along with his brothers, Mike and Pat, make up the ownership of this operation with the longtime, expert on-ranch management of Mike Wilmore.

Beginning in the 1880s, the ranch was a Hereford operation, like many in the Gunnison area were at their onset and remain today. When Tom Field graduated from college in the early 1980s, he purchased the first Angus genetics and began crossbreeding, making F1 black baldies.

“Then in about 1990, we began using some F1 bulls,” he said. “I’m not a real breed-loyal guy. Give me cattle that will work and when I find ones that work, I’m going to stick with them.”

In studying other operations that were successfully integrating Simmental genetics, Field liked the cattle and began utilizing SimAngus™ genetics and a few purebred Simmental bulls. On the ground performance is king for the Fields and that performance is the basis for their well-defined selection program today.

The cow-calf operation in the state’s high country is comprised of about 350 cows. Annually, 60 to 70 replacement heifers are developed with the majority finding a job within the herd. Weaned calves and bred cows are primarily the cattle marketed by the ranch. The Fields have moved toward utilizing SimAngus genetics, in part for their ability to flourish in hard country.

That simplicity allows the Fields to grow their own replacements and takes some complication out of pasture groups. The Fields have used Simmental genetics for over a decade.

“We've believed for a long time that hybrid bulls provide us simplicity to manage grass and pasture,” he said.

“We believe cross breeding is one of the genetic tools available to us and we aren't willing to risk that our management is good enough in a very dynamic and harsh climate to leave that tool on the table.”

The factors that drive decision making for the Fields are well thought out and research based. They made the choice to utilize Simmental genetics based on their high-altitude environment and the availability of PAP-tested bulls. PAP, or Pulmonary Arterial Pressure tests, predict a bull’s likelihood to develop high-altitude disease, also known as brisket disease. Cattle living above 5,000 feet are most susceptible to the disease that results in death.

The Fields draw the proverbial line on PAP testing at 40 and then, he said, do everything they can to identify early any signs of respiratory disease in calves and treat it.

“Our perception is that an animal with some genetic propensity for brisket disease and has an early respiratory event as a calf is a prime candidate for brisket disease,” he said. “In the last five years, we have not identified a mature animal that has suffered a brisket disease event. Live cows, live calves. Live cattle overcome a lot of things.”

The operation, like many in the high country of the West, depend upon public land grazing with enough for about half of the cow herd for a short time period.

“When we do go high, we’re going to pressure them at 8,000 or 9,000 feet,” he said. “We need to be cognizant and conscious of the breed type and the right management.”

The bulls Field sources are tested at an altitude high enough to provide an accurate reading and allows them to systematically select bulls that fit the program that they anticipate will be successful.

“We are a no-surprise kind of genetics customer,” he said. “We hate surprises. Our manager hates surprises more than we hate surprises and we have found with disciplined selection and having a great relationship with our seedstock producer, SimAngus bulls give us the most desirable outcomes with minimal, if any, surprises.”

The Fields’s operation is one of many high country cattle operations that employ the use of federal grazing permits.
Soundness also is a consideration during selection, given the harsh environment and challenging climate. It is longevity, Field said, from a crossbred cow and crossbred bull that add up for the ranch.

**EPDs**

Studying and making decisions based upon expected progeny differences (EPDs) have allowed the Fields to use the All Purpose Index ($API) and then cull against extremes in birth weight, milk and mature size.

“We need heifers that calve with minimal assistance, if any,” he said, “and we want cows that milk in the constraints of our particular environment, which is a relatively dry environment with extremes in temperature.”

Moderation is the ideal outcome from the Fields’ judicious selection. To that end, the mature cows are what Field calls a metabolic package of easy-calving females with great dispositions.

“All those things add up and we think we’re passing on to feed yards cattle that will grow, cattle that will grade, and cattle that will yield,” he said. “We want our feed yard customer to be successful, our packer customer to be successful, and if they’re both successful we have a fine chance to stay in business.”

Even while maintaining the goal of future generations on the ranch, the Field brothers all work off the ranch and have enjoyed building successful careers while keeping their ranch roots. The three brothers are located in Nebraska, Durango, Colorado, and Boston. Much of what the brothers have learned in their careers off the ranch about management, development and innovation have translated to managing the ranch. For Field, the knowledge of Silicon Valley isn’t that far removed from the ranch.

“From Silicon Valley, I’ve learned that when you need to adapt and make a change, do it,” he said. “Don’t wait around, don’t spend too much time over-thinking it. When you know you need to pivot, to shift, do it.”

Field’s three sons and nieces share ownership in the operation, and he expects the younger Field children also will desire some sort of involvement in coming years.

While the next generation builds their own careers, the elder Fields are using their trademark discerning, systematic style to develop long-range, succession and transition plans.

“Any success we’ve had is because we have an excellent manager,” he said. “We’ve had good help, great neighbors, and because we made the decision to build as simple an enterprise as we could, we’ve been able to make it work. We’re proud of the fact that we still have the ranch, we’re a profitable enterprise, and we find for us a huge amount of personal satisfaction from being engaged in the business with our family, our neighbors, and our community.”

---

**Pulmonary Arterial Pressure**

- For over 100 years, pulmonary hypertension (PH), commonly referred to as brisket disease, has been observed in cow-calf and stocker operations where cattle are being grazed at high elevation.
- PH is the result of elevated pulmonary arterial pressure caused from a lack of oxygen and generally affects cattle raised at 5,000 feet or higher. It is not limited to one sex or breed of cattle, and can be tested through a pulmonary arterial pressures (PAP) score.
- Pulmonary arterial pressure scores are a useful metric for high-altitude cattle breeders to monitor and prevent high altitude sickness. Like all quantitative traits, the best way to make selection decisions is through the use of an EPD.
- Research from Colorado State University shows PAP increases in all cattle when they are being finished in feedlots, possibly making them more susceptible to PH.
- Over the last decade, death loss has doubled in feedlot cattle, and recent evidence suggests the sudden death loss in feedlots could be linked to PH.

The ASA is currently working with Colorado State University (CSU) on the development of a PAP EPD and exploring the genetic component of PAP in Simmental and commercial cattle.

In order to provide researchers at CSU a useful data set, we are requesting high altitude Simmental and commercial cattle breeders assist ASA in the gathering of PAP scores and associated data. A meaningful data set is comprised of sire-identified animals with these data points:

- **PAP score**
- **Test date**
- **Test elevation**
- **Technician performing the test**

Commercial cattlemen can also participate in this project by submitting additional contemporary information; however, it is still vital to have known sire information.

- **Sire registration number**
- **Sex of animal**
- **Tattoo**
- **Date of birth**
- **Weaning date**
- **Breed composition**

*For additional information, contact Lane Giess at lgiess@simmgene.com.*
TRIANGLE J  
Ranch

BULL POWER

KOCH BIG TIMBER 685D
3133113  PB SM
Homozygous Black, Homozygous Polled
Sire: MORK'S YELLOWSTONE 917
Dam: KOCH MS BROOKS BOY
Mgs: GW LUCKY BOY 252U

Big Timber has a unique calving ease pedigree and has proven himself at the ranch as a “go to” purebred heifer bull. Calves were born light with no assistance needed, and early growth looks outstanding. Even young babies have a great look with uniformity, shape and muscle. In a very large contemporary group, he did very well on ultrasound with a 137 for IMF and 110 for REA.

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TJ MAIN EVENT 503B
2891336  1/2 SM 1/2 AN
Homozygous: Black, Homozygous Polled
Sire: MLLC UPGRADE-86676
Dam: TJ MISS NEW DAY U14
Mgs: BOYD NEW DAY 8065

Big EPD spread plus a very usable pedigree. Main Event is a must use sire that provides calving ease with outstanding phenotype. The early females look cowy with great promise. Outstanding udder quality with a beautiful, broody female look.

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2019 High Sellers

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<tr>
<td>TJ NITRO 420F</td>
<td>ASA# 3459266</td>
</tr>
<tr>
<td>TJ AMBASSADOR 204F</td>
<td>ASA# 3459640</td>
</tr>
</tbody>
</table>
TJ FROSTY 318E
3288449  1/2 SM 1/2 AN
Homozygous Black, Heterozygous Polled
SIRE: ACK TOWHIDE 395Y
DAM: TJ 588
MGS: TJ SHAPER IMAGE 8040

One of the most unique baldies we have ever used. At Triangle J, 15 calves on heifers with an average birth weight of 71 pounds and no assists. Calves were born quickly with lots of vigor and are growing rapidly. Lots of cool baldy faces when used on solid black cows.

TJ FRANCHISE 451D
3148384  1/2 SM 1/2 AN
Homozygous Black, Heterozygous Polled
SIRE: CCR COWBOY CUT 508BZ
DAM: TJ MISS NET WORTH 1111
MGS: S.A V'NET WORTH 4200

Ultrasound ratios of 109 for IMF and 106 for REA in a very large contemporary group. High sellers at both the Triangle J Ranch Bull and Female sales. A great combination of phenotype and outstanding EPDs. Expect progeny to be born easily, grow rapidly and have extra eye appeal.

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SFG F830 :: ASA# 3520532 :: S-Nightride
CE 30% • WW 10% • API 15% • TI 3%

SFG F808 :: ASA# 3520556 :: S-Nightride
CE 25% • WW 35% • API 25% • TI 15%

SFG F806 :: ASA# 3520570 :: S-Nightride
CE 10% • WW 15% • API 4% • TI 2%

SFG 889F :: AAA# 19336472 :: S-Insight
CED 60% • WW 20% • $W 15% • $B 30%

SFG 851F :: AAA# 19338467 :: S-Rockmount
CED 1% • WW 55% • $W 55% • $B 80%

SFG 860F :: AAA# 19335979 :: S-Global
CED 15% • WW 40% • $W 20% • $B 75%

SFG E707 :: ASA# 3419417 :: S-Banknote
CE 20% • WW 3% • API 10% • TI 2%

SFG F860 :: ASA# 3520504 :: S-Cowboy Logic
CE 5% • WW 2% • API 1% • TI 1%

SFG F812 :: ASA# 3520584 :: S-Global
CE 3% • WW 55% • API 4% • TI 10%

SFG F53 :: ASA# 3520329 :: S-RCR Quick Draw
CE 35% • WW 60% • API 20% • TI 35%

SFG F54 :: ASA# 3520343 :: S-SFG Santa Fe C541
CE 2% • WW 75% • API 10% • TI 25%

SFG F10 :: ASA# 3520416 :: S-Global
CE 25% • WW 30% • API 20% • TI 15%

Calving Ease - Performance - Real World
Hair Shedding Scores: A Tool to Match Cows to Their Environment

By Harly Durbin, Ph.D. student, and Jared Decker, Associate Professor, University of Missouri Animal Sciences.

Savvy business leaders know how important it is to identify and hire the right employees. Your staff needs to be a good fit for the job. The same can be said for your herd. Even within the same breed, performance varies between individuals across different environments. Some of this variation is due to interactions between genetics and the environment. This is common knowledge for producers but it can still be difficult to quantify, especially when purchasing genetics from a different region. One tool producers in heat-stressed environments and producers grazing toxic endophyte-infected (hot) fescue can use to easily evaluate their “employees” is early summer hair shedding scoring.

Background and How-to

Early summer hair shedding is an adaptive trait and an indicator of tolerance to heat stress and fescue toxicosis. Australian researchers developed the hair shedding scoring system in 1960 (Turner & Schleger, 1960). Similar systems were independently developed by others, such as University of Missouri (MU) livestock extension specialist Eldon Cole at the Southwest Research Center in Mt. Vernon, Missouri. Observers realized later-shedding cattle tended to have depressed growth and decreased reproductive success. Cattle are scored on a 1 to 5 scale with a 1 being completely slick (100% shed off), 2 being 75% shed off, 3 being 50% shed off, 4 being 25% shed off, and 5 being a complete winter coat (0% shed off). It’s easy to distinguish a 1 from a 5, but the scores in between can be more difficult. As a general rule, cattle tend to shed hair from front to back to top to bottom. So, a 4 will usually have shed only on her neck. Similarly, a 2 usually has winter coat remaining only on her belly and lower hindquarters; however, there is some variability in the order of shedding from individual to individual. We recommend producers score their herd between late April and mid-June depending on the climate in their region. Hair shedding scoring is most useful when variability within the herd is highest; for producers in the South that tends to be early May.

The cost of compensating for employees that are a poor fit for the job is a drain on profitability. Hair coat removal via shearing or flame application has been suggested as one way to combat heat stress. Additionally, producers grazing hot fescue can renovate affected pastures; however, these solutions can be costly and time consuming. A sustainable option is to address the problem from the animal side by selecting well-adapted cattle that will work for you and pay their keep. When used with other management best practices, hair shedding scoring is an easy-to-adopt evaluation tool with a high return on investment.

Ongoing Research

As part of a broader effort to identify cattle well-suited to their environment, producers enrolled in the Mizzou Hair Shedding Project collected over 12,000 hair shedding scores in 2016 and 2017, with 2018 and 2019 scores forthcoming. These scores came from approximately 8,000 crossbred and purebred cattle, including 1,800 head of registered Simmental (Figure 1). Most of these cattle have been DNA tested to identify DNA markers associated with heat tolerance and fescue toxicosis tolerance. This data is being used to create a hair shedding score EPD for the evaluation of adaptation to heat and fescue toxicosis. A hair shedding score EPD would provide producers grazing toxic fescue and producers in heat-stressed environments a way to gauge the potential of bulls and females from other regions to succeed in their herd. Preliminary estimates of hair shedding score heritability range from 0.38 to 0.45, which is higher than most weaning weight heritability estimates. This means that approximately 40% of the variability in hair shedding score is due to genetic variation and that genetic progress can be made by culling cattle with high hair shedding scores.

Although the goal of the Mizzou Hair Shedding Project is to understand the genetic basis of early summer hair shedding, hair shedding scoring is a useful selection tool even in the absence of DNA testing. Using 2016 and 2017 Simmental weaning weight data for dams enrolled in the Mizzou Hair Shedding Project and raw hair scores (no DNA data incorporated), we find an approximately 12-pound increase in weaning weight each unit decrease in hair shedding score (Figure 2). This means that in our data, dams with a hair shedding score of 1 weaned 48 more pounds of calf on average than dams with a hair shedding score of 5. The trend is similar in Mizzou Hair Shedding Project Red Angus data and is consistent with other estimates of the relationship between hair shedding score and weaning weight in heat-stressed and toxic fescue-stressed environments (Gray et al., 2011). However, more rapid genetic improvement will always be made with the use of genetic predictions and EPDs. Preliminary genomic EPDs generated using 2016 and 2017 hair shedding scores and DNA data also show a clear
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Beef producers who rely on fescue-based pastures know the blessings and the curse. Your cows experience one of the harshest and most relentless environmental impacts in the U.S. Beef Industry. As such, you need cows that shed early and face the heat.

The American Simmental Association offers the Beef Industry’s most varied and robust lineup of heat tolerant, fescue tolerant, disease resistant cattle. As you battle through the environmental challenges that face your cow herd, take the time to check out SimAngus™ HT, Simbrah, and slick-haired Simmental and SimAngus™ options.

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Chip Kemp
Director, ASA and IGS Commercial and Industry Operations
American Simmental Association
ckemp@simmgene.com
406-587-4531
relationship with cow performance. Using all available weaning weight data for calves weaned by Simmental dams in the Mizzou Hair Shedding Project, we find an approximately 14-pound average increase in calf weaning weight with every point decrease in hair shedding EPD (i.e., dams with better hair shedding scores tend to wean heavier calves than those with worse hair shedding scores). One caution to keep in mind for these results is that almost all of the Simmental cattle in the Mizzou Hair Shedding Project originate from heat-stressed or toxic fescue-stressed environments. Therefore, these results may not be representative of hair shedding trends in all regions of the United States.

Future Directions

This past spring, about 5,000 new cattle were enrolled in the Mizzou Hair Shedding Project. Most of these cattle come from the Fescue Belt and the Gulf Coast, expanding our power to detect DNA variants associated with heat tolerance and fescue toxicosis tolerance.

As previously mentioned, the Mizzou Hair Shedding Project is part of a broader effort by MU researchers to match genetics to the environment. This research will be used to identify genes involved in early summer hair shedding and to help us interpret our other gene-by-environment interaction research. We will also create a genomic EPD for hair shedding to help farmers and ranchers find the right cows for the job.
LLSF Pays To Believe ZU194
ASA#: 2659897   Pays To Dream x Trademark
Homzygous Black/Heterozygous Polled
Pays To Believe is the spectacular 2015 NWSS and 2014
NAILE Grand Champion Bull! His first calves are averaging 5 digits in public auctions
and his full-sib sisters averaged $16,000 in Lee’s 2014 fall sale.

EPDs:
CE: 8  $API: 112  $TI: 74

WLE Big Deal A617
EPDs:  CE: 7  $API: 110  $TI: 63
ASA#: 2746260  Homzygous Polled
Steel Force x Shawnee Miss 770P
Big Deal is exciting at Mid Continent Farms
& Wesner Livestock. Big Deal is calving
easily and adding value to progeny!
Maternal brother to Uno Mas.

OMF Epic E27
ASA#: 3317371
WS All Around Z35 x OMF Commander Y69
Homzygous Polled  Homzygous Black
EPDs:  CE: 13  $API: 149  $TI: 82
Exciting calving ease outcross genetics
who sold to Schooley, IA, and Sears, CA,
from Oak Meadow’s NWSS Pen!

FBF1/SF Ignition A811
ASA#: 2743923  Combustible x In Dew Time
Homzygous Black/Homzygous Polled
Ignition packs an unprecedented load of muscle shape and
internal dimension together with excellent structure and
profile. Ask Randy Daniels, Trent Templeton and Todd Alford
about progeny!

EPDs:
CE: 14  $API: 108  $TI: 56

Mr. TR Hammer 308A ET
ASA#: 2759745  Ellingson Legacy x CNS Dream On
1/3 revenue sharing $200,000
high-selling bull in 2018 "The One Sale",
selling to Lee, CO. Tremendous EPDs
combined with great design —
an exciting purebred!
K-Ler Kingsman 610D  5/8 SimAngus™
ASA#: 3125337  •  Homozygous Black/Homozygous Polled
WC Executive Order x GW Predestined 701T
Kingsman was the high-selling bull in the 2017 “The One” Sale, selling to John Lee, CO. Kingsman puts together as nearly a perfect combination of EPD profile, genetic merit, unique pedigree power, structural soundness, and real-world functionality and phenotype as any sire available! Move your herd to a higher kingdom with Kingsman!

EPDs:
- CE: 11
- SAPI: 132
- $TI: 82

W/C Loaded Up 1119Y
ASA#: 2654155  •  Remington Lock N Load x 3C Macho
Heterozygous Black/Homozygous Polled
Half-interest sold for $240,000 at the 2017 Embryos on Snow sale to Griswold! Loaded Up is out of a great cow family, will moderate frame, improve front ends, and maintain soundness!

EPDs:
- CE: 13
- SAPI: 131
- $TI: 64

TL Bottomline 38B
ASA#: 2905451
WS Pilgrim x Fat Butt
Heterozygous Black/Homozygous Polled
Bottomline will add power and PIZAZZ to your next calf crop. He’s going to especially work great on Steel Force, Uno Mas and Pays influenced females. Grand Champion Bull at 2016 NAILE and American Royal, Res. Champion at 2017 NWSS!

EPDs:
- CE: 9
- SAPI: 108
- $TI: 67

TKCC Carver 65C
ASA#: 3045230  •  WS Pilgrim x Driver
Homozygous Black/Homozygous Polled
Carver was the high-selling and lead-off bull in the Kearns 2016 Sale. His dam, Dolly, has produced some extremely well-received and valuable progeny of both sexes! He’s a real-world bull to use on anything with white on it . . . he’ll add performance and great type!

EPDs:
- CE: 12
- SAPI: 127
- $TI: 72

Textures and Background:
- Denver is our WORK ZONE!
In just her short time in production, she’s produced over $500,000 in progeny sales. She’s the dam of popular 2014 champion Firefly, who produced Hartman’s high selling bull! Miss Crysteel Tango is a Steel Force out of a full sister to Pays To Believe’s dam. Power in the blood here! Their full sister brought over $100,000 in Hartman’s 2018 fall sale!

VCL LKC The Duke 633D
ASA#: 3173461 • Profit x BF Miss Crysteel Tango
Full brother to The Duke and Profit Maker

VCL LKC Profit Maker 604D
ASA#: 3173459 • Profit x BF Miss Crysteel Tango

VCL LKC Equity 608D
ASA#: 3188692 • Profit x BF Miss Crysteel Tango

In just her short time in production, she’s produced over $500,000 in progeny sales. She’s the dam of popular 2014 champion Firefly, who produced Hartman’s high selling bull! Miss Crysteel Tango is a Steel Force out of a full sister to Pays To Believe’s dam. Power in the blood here! Their full sister brought over $100,000 in Hartman’s 2018 fall sale!

EpDs:
CE: 9 $API: 102 $TI: 57
Heterozygous Black, Homozygous Polled

VCL LKC Dagger 605D
ASA#: 3173463 • Profit x BF Miss Crysteel Tango
Full brother to The Duke and Profit Maker

EpDs:
CE: 5 $API: 115 $TI: 60
Homozygous Black, Homozygous Polled

VCL LKC Equity 608D
ASA#: 3188692 • Profit x BF Miss Crysteel Tango

In just her short time in production, she’s produced over $500,000 in progeny sales. She’s the dam of popular 2014 champion Firefly, who produced Hartman’s high selling bull! Miss Crysteel Tango is a Steel Force out of a full sister to Pays To Believe’s dam. Power in the blood here! Their full sister brought over $100,000 in Hartman’s 2018 fall sale!

VCL LKC Dagger 605D
ASA#: 3173463 • Profit x BF Miss Crysteel Tango
Full brother to The Duke and Profit Maker

EpDs:
CE: 5 $API: 115 $TI: 60
Homozygous Black, Homozygous Polled

Rocking P Legendary C918
ASA#: 3070709 • Harkers Icon x SVF Steel Force
Homozygous Black/Homozygous Polled

Legendary is a direct son of deceased Icon, and is an ultra-sound, good-footed, soft-middled bull with tons of function and eye appeal. He was a successful show bull for Rocking P, being a division champion at NAILE, and winning Sweepstakes and the Kentucky State Fair. Bloomberg’s added Legendary to their powerful herd battery, selecting him as the second high-selling bull at “The One”.

EpDs:
CE: 9 $API: 96 $TI: 59
Homozygous Black, Heterozygous Polled

LLSF Better Believe It D64
ASA#: 3152728 • Pays To Believe x LLSF Cayenne

Both Better Believe It and Charged Up share this donor dam: LLSF Cayenne

EpDs:
CE: 10 $API: 116 $TI: 67
Homozygous Black, Heterozygous Polled

LLSF Charged Up D66
ASA#: 3152726 • Pays To Believe x LLSF Cayenne

These two full brothers, Better Believe It and Charged Up were members of the Lee Simmental Farms 2017 Champion Denver Pen of Five.
Building Blocks of Commercial Genetic Awareness

by Lane Geiss, Director of Commercial and Nontraditional Data Programs

The commercial programs offered by the American Simmental Association (ASA) are an effort to provide genetic tools to the largest sector of the beef industry — the cattle operations. These efforts are supported through multiple ASA programs and the world’s most comprehensive beef genetic database. The three pillars to ASA Commercial Programs are the: Total Herd Enrollment — Commercial option (THE-CM), Cow Herd DNA Roundup (CHR), and the IGS Feeder Profit Calculator™ (FPC). These programs allow commercial producers to maximize the genetic awareness surrounding their program and to make better management and selection decisions.

Each of these programs are designed to offer assistance at three key management moments in commercial operations; Breeding, Heifer Selection, and Weaning. This article will briefly dive into how each program functions.

Total Herd Enrollment — Commercial

The THE-CM is the foundation to these programs and allows participants to fully capitalize on the true genetic awareness of their cow herd. This is a whole-herd reporting program that helps isolate the known genetic potential of every female owned. The industry’s best metric for understanding genetic merit on individual animals is through an expected progeny difference (EPD). Simply put, an EPD describes the difference in production value for a given trait compared to other cattle. These are all calculated through pedigree relationships and performance records — and genomics if desired. Selection indexes take that one step further by combining multiple economically relevant EPDs along with industry costs and thresholds into a prediction model. Seedstock breeders undoubtedly use EPDs and selection indexes to make mating decisions. Why shouldn’t commercial producers have the same technology?

Follow this link to learn more about THE-CM: www.simmental.org/commercial
Cow Herd DNA Roundup

The CHR is an opportunity to push the accelerator on female genetic awareness. Every cattleman knows which cow is his best producer, but do they know right away which replacement heifer will fill that role? The field of genomics allows us to gain a better understanding of a young heifer’s genetic potential even before she starts producing. This technology uses known regions on the bovine genome that impact specific economically relevant traits. For example, longevity in cattle is known once they’ve been in production for almost a generation, but producers would hope to know that information before they invested time and money in replacements. Through genomics, we can use known genetic markers to give an indication of whether a female may last in the herd longer (or shorter) than others. The CHR will provide years of information before you have to invest years of time.

Follow this link to learn more about CHR: www.simmental.org/chr

IGS Feeder Profit Calculator™

While the other two programs are focused around the cow herd, the FPC is centered around where commercial producers make ends meet. They’ve invested a lot of time and money into not only their cow herd, but also their bull battery because they know the role genetics play in the end product. They’ve also invested in their management protocols to ensure the feeder calves they raise will stay healthy and perform in the feedlot. These investments help producers stay profitable and build a more valuable feeder calf, but are their buyers aware of their commitment? The FPC is a third-party view of the profit potential on a calf crop through the understanding of genetics, health, and management. Buyers want low-risk, high-potential calves with earning potential. Producers want to highlight that their calves fit potential buyer’s needs. As opposed to traditional marketing slogans and empty statements let’s provide true awareness. We can Know or Guess. Choose Know.

Follow this link to learn more about the FPC: www.internationalgeneticsolutions.com

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Would you like to get paid to use some of the most promising young bulls in the industry? Do you have accurate and consistent record keeping? Then we have the program for you!

The ASA is seeking additional cooperator herds for the Carcass Merit Program. Spring or Fall calving herds are welcome.

**Incentives for Cooperators**
- Free semen from the industries top herd sire prospects
- All cows in herd will be put in ASA’s database which will provide EPDs for every female. This allows you to make selection and culling decisions within the cowherd based on EPDs.
- You have the option to retain all or some of the females produced from the program
- ASA will pay $60/AI sired carcass that is harvested
- Cooperators will get carcass data back on all the calves harvested through the program.
- A portion of the CMP calves have feed intake collected and records shared with the cooperators.

**How does it work?**
- ASA assigns all matings in a random fashion so that the test produces unbiased, accurate results.
- ASA will work to provide bulls that fit the general criteria of your herd. However ASA must use only bulls that are enrolled in the program.
- At least two sires will be used per contemporary group and ASA likely will use several sires per contemporary group to provide better more accurate test results.
- Only bulls with high calving ease EPDs are used on heifers.

**Qualifications**
1. All cows will be individually identified along with birth year and approximate breed makeup
2. Collect birth weights, calving ease scores, and weaning weights on CMP sired calves
3. Beneficial but not required — have a current AI program established
4. Must commit to collecting carcass data

Contact Lane Giess or Jannine Story for more information at 406-587-4531.

---

“Participating as a CMP cooperative herd for nine years has enabled us to get the hard facts on feeding efficiency and harvest value by traits on our calves. As a commercial cow/calf operation, interested in making genetic progress in the cowherd, we have used the data in replacement selection and are seeing a difference in our bottom line.”

Lynda Stuart, Stuart Land and Cattle Co.

“We are glad to be part of the CMP program. It provided us with top quality calves while we get to participate in improving Simmental genetics.”

John Hall, Ph.D., Professor and Extension Beef Specialist and Superintendent at University of Idaho Nancy M. Cummings REEC.
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Expected Progeny Differences
Frequently Asked Questions: Part 1

Editor’s Note: This is the first installment in a series addressing common questions about genetic prediction.

By Dr. Lauren Hyde, IGS Geneticist

1. How do you balance EPD selection and actual phenotypes?

Expected progeny differences (EPDs) have a clear advantage over less sophisticated predictors such as raw weights and contemporary group ratios. Performance data are subject to environmental influences, such as available feed and management, and cannot be compared from one herd, or even one pasture, to another. Contemporary group ratios are more informative than actual or adjusted measurements, but they don’t take into account differences in performance from selective mating, nor do they include comparative performance data on related individuals in other herds.

EPDs are calculated using complex statistical models and methodology. The statistical models use all known information on a particular animal to calculate its EPDs. This information includes its own performance data, such as birth, weaning, and yearling weights; records on its progeny and other relatives; and genomic data on all of these animals. Performance records are adjusted for such factors as age and sex of the animal and age of the dam prior to being evaluated. These adjustments allow performance records to be fairly compared in the analysis. In addition, genetic merit of mates is accounted for so that animals’ progeny records are not influenced by superior or inferior mates.

The statistical analyses used for EPD calculation also account for the effects of environment (e.g., nutrition, climate, geographical location) that exist between herds. These environmental effects can be estimated due to the widespread use of artificial insemination (AI). Through AI, the same bull can be used in several herds throughout the world. These common sires create genetic links among herds with differing environments and serve as the foundation for large-scale genetic evaluation. For these reasons, animals with published EPDs within an evaluation may be directly compared regardless of their age and origin.

Finally, the genetic relationships that exist between various traits are also considered in the EPD calculations. Growth traits provide a classic example of this. Some genes affect growth only during certain stages on an animal’s life, while others affect growth in general. These genes affect two or more traits, and as a result, the traits are genetically correlated.

2. What is a ratio and how useful is it in selecting animals for their genetic merit?

A ratio is the performance on an individual animal relative to the average performance for his or her contemporaries. Suppose that 10 bull calves weighed an average of 600 pounds at weaning. One calf weighed 630 pounds, so his ratio is 105, which means he is 5% heavier than his contemporaries.

$$\text{Ratio} = \left(\frac{630}{600}\right) \times 100 = 105$$

Another calf weighed 570 pounds, so his ratio is 95, which is 5% lighter than the contemporary group average.

$$\text{Ratio} = \left(\frac{570}{600}\right) \times 100 = 95$$

Ratios can be a useful tool for within-group selection; however, they do not correct for mating bias or allow for comparisons on animals outside of the contemporary group. Use of more advanced selection tools, like EPDs, provides comparisons among all animals in the evaluation with greater accuracy.

3. When selecting easy-calving bulls, is it better to emphasize the calving ease EPD or the birth weight EPD?

Economically relevant traits (ERTs) are traits that directly generate revenue or incur costs in beef production systems. For a commercial cow-calf producer, dystocia (or calving difficulty) is what generates costs in a cow herd through direct losses of calves and their dams, increased labor costs, and lower reproductive rates among cows that have experienced dystocia. Calving ease is an ERT.

Birth weight, on the other hand, is an indicator trait. It provides some information on calving ease, but by itself, doesn’t directly generate revenue or incur costs independent of calving ease. Based on results from several research studies, birth weight accounts for only 55 to 60 percent of the genetic variation in calving ease.
Birth weight EPDs are computed using not only the birth weight of the bull but also his own weaning and yearling weights; the birth, weaning, and yearling weights on his calves and other relatives; and the genomic data on all these animals. Weights are adjusted for known environmental effects, like sex of calf and age of dam, that do not have a genetic component, and therefore, are not transmitted from parent to offspring. For example, all things being equal, a heifer calf will weigh less than a bull calf. A bull born to a heifer will weigh less than a bull born to a mature cow. A bull born during a drought will weigh less than a bull born during a time of abundance. Because of these environmental effects and all the other data used to compute an EPD, actual birth weight isn’t a particularly accurate measurement of a bull’s progeny’s birth weight. A bull with a low birth weight can have a high birth weight EPD and vice versa.

4. Why does my bull have a high birth weight EPD but his actual birth weight is low?

Birth weight EPDs are computed using not only the birth weight of the bull but also his own weaning and yearling weights; the birth, weaning, and yearling weights on his calves and other relatives; and the genomic data on all these animals. Weights are adjusted for known environmental effects, like sex of calf and age of dam, that do not have a genetic component, and therefore, are not transmitted from parent to offspring. For example, all things being equal, a heifer calf will weigh less than a bull calf. A bull born to a heifer will weigh less than a bull born to a mature cow. A bull born during a drought will weigh less than a bull born during a time of abundance. Because of these environmental effects and all the other data used to compute an EPD, actual birth weight isn’t a particularly accurate measurement of a bull’s progeny’s birth weight. A bull with a low birth weight can have a high birth weight EPD and vice versa.

5. Why should I trust EPDs when I know that some breeders turn in fabricated data?

Genetic evaluation relies primarily on field data collected by many different breeders with varying knowledge and interest in the principles of animal breeding and genetics. Therefore, these data are subject to error, intentional or not. EPDs are based to a large extent on the performance of relatives, so it is imperative that the pedigrees of all animals are correct. However, misidentification of parents is not unusual — even in humans! Parentage testing through DNA has been very useful in identifying pedigree errors and has been invaluable to high-quality genetic evaluation. On the performance side, some breeders deliberately falsify records. They want to make their animals look better than they really are. There also are breeders who only report data on their “good” animals. More frequently, breeders guess animal performance rather than carefully measure it. Data like these can cause bias in the evaluation; however, there are statistical procedures that can identify and filter out biased data. In addition, bias due to reporting errors is generally short-lived. As soon as an animal has progeny, especially in different herds, pedigree and performance errors of its own and of its collateral relatives are of little consequence.

6. Why should I use EPDs when they change from one evaluation to the next?

EPDs change over time as more and more data are included in successive evaluations. But change is not necessarily a bad thing. With more data comes improved accuracy, and higher accuracy means the smaller the amount of possible change in future evaluations. In other words, EPDs on a high-accuracy animal will change very little in future evaluations compared to those on a low-accuracy animal. Higher accuracy leads to less risky selection decisions. With EPDs updated on a weekly basis through the IGS Multi-breed Genetic Evaluation powered by BOLT, ASA provides the most accurate, most rapidly available tools to optimize selection decisions.

7. How can I improve my bull’s EPDs?

Although you can’t make your bull’s EPDs better, you can improve the accuracy of those EPDs through data collection. Collect performance data on the bull and all of his contemporaries. Get all of them DNA tested. If possible, ensure that his calves’ data are reported. Although his EPDs may move in an unfavorable direction, more data improves accuracy, and higher accuracy leads to less risky selection decisions.
Home of the Hottest Sires!

EPDs as of 11.26.18

TKCC Classified 106C
EPDs: CE BW WW YW ADG MCE Milk MWW $API $TI 5 1.9 75 117 .26 1 26 64 126 76
ASA# 3028710
One of the most exciting sires with a new pedigree twist! He commanded $70,000 at the legendary Hudson Pines dispersal. His first progeny are creating nation-wide buzz!

W/C Night Watch 84E
EPDs: CE BW WW YW ADG MCE Milk MWW $API $TI 19 -1.8 62 82 .12 10 27 58 154 74
ASA# 3336327
2018 Werning top selling at $142,000! Here's a new calving ease twist that you can use on all those baldy heifers and cows! 125 IMF ratio, 104 REA ratio.

W/C Relentless 32C
EPDs: CE BW WW YW ADG MCE Milk MWW $API $TI 9 3.3 65 81 .10 2 21 53 122 68
ASA# 3045559
Werning's 2016 $87,000+ high-seller by Utah! Ultracool look and function!

CLRS Dividend 405D
EPDs: CE BW WW YW ADG MCE Milk MWW $API $TI 12 -5 79 120 .26 5 22 61 155 85
ASA# 3097854
High-seller at $52,000 for Clear Springs/Hook to APEX. Combines top 5% rank in every trait with great looks.

Dam: CLRS Bonnia 405B

TLLC One Eyed Jack 15Z
EPDs: CE BW WW YW ADG MCE Milk MWW $API $TI 9 1.4 54 78 .15 1 23 49 101 59
ASA# 2668223
One Eyed Jack's first calves are awesomely balanced with pizazz!

Homo black Homo polled

W/C Relentless 32C
EPDs: CE BW WW YW ADG MCE Milk MWW $API $TI 9 3.3 65 81 .10 2 21 53 122 68
ASA# 3045559
Werning's 2016 $87,000+ high-seller by Utah! Ultracool look and function!

Hudson Pines Farms high-seller and Champion at Hoosier Beef Congress!

HPF Quantum Leap Z952
EPDs: CE BW WW YW ADG MCE Milk MWW $API $TI 13 1.7 76 107 .20 6 20 58 128 75
ASA# 2649657
A multiple-time Champion producing great progeny with his first crop!

STCC Jacked Up 4070
EPDs: CE BW WW YW ADG MCE Milk MWW $API $TI 3 2.8 64 93 .18 -1.1 21 53 104 64
ASA# 2886365
The exciting brothers by One Eyed Jack x HF Serena have the whole country talking!
Semen available on the best Angus and Clubbie sires too.

www.cattlevisions.com

Entire lineup online at: 866-356-4565

Mr. Hoc Broker X623
EPDs: CE BW WW YW ADG MCE Milk MWW $API $TI
3 4 68 95 .17 1 12 46 84 55
ASA# 2531081
Grand Champion at the NAILE, Royal and Denver!

$190,000 Broker Heifer

SFG The Judge D633
EPDs: CE BW WW YW ADG MCE Milk MWW $API $TI
12 1.3 85 125 .25 7 25 67 140 84
ASA# 3208952
Cowboy Cut x 3/4 Top Grade tracing back to BC Lookout’s full sister. Elite phenotype combined with breed leading data!

STF Royal Affair Z44M
EPDs: CE BW WW YW ADG MCE Milk MWW $API $TI
7 2.9 60 90 .18 5 44 19 106 56
ASA# 2639758
The ultimate Dream On outcross!

LAH Sixteen Step 628D
EPDs: CE BW WW YW ADG MCE Milk MWW $API $TI
7 1.8 67 90 .14 2 12 46 118 67
ASA# 3123088
An exciting son of deceased Two Step out of WLE Missy U409, the full sister to WLE Uno Mas. Purebred Winter Calf Champion at the 2017 NWSS! Dam:
WLE Missy U409

Yardley High Regard W242
EPDs: CE BW WW YW ADG MCE Milk MWW $API $TI
6 2.5 65 101 .23 -1 24 57 110 68
ASA# 2522822
High Regard is stamping his progeny with outstanding quality, making him a must-use regardless of his “old school” pedigree and EPD profile.

$75,000 High Regard daughter at Jones Show Cattle, OH.

Hudson Pines/Circle M Farms sold for $11,000.

Multiple-time Champion for Sara Sullivan

High Regard feature for Hara Farms, OH.
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Or guess.

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Open to majority of breeds and breed compositions.

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40 Super Baldy Open Heifers

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- Hard copy booklet mailed to breeders (included with options 1 and 2)
- One full page ad in the Register or SimTalk, your choice (included with option 1)
- Deeper discounts for 10 bulls or more

Option 1 – $900
Option 2 – $450

For more information contact:
Nancy at nchesterfield@simmgene.com or Rebecca at rprice@simmgene.com
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www.internationalgeneticsolutions.com
The 2018 Applied Reproductive Strategies in Beef Cattle Symposium was held in Ruidoso, New Mexico, August 29 and 30. This conference is organized by the Beef Reproduction Task Force, a multi-state extension effort with the following objectives: 1) Increase the successful implementation of protocols that synchronize estrus and ovulation in beef herds, and 2) Improve the understanding of methods to assess male fertility and how it affects the success of AI programs. Attendees included producers, AI industry personnel, veterinarians, and others with an interest in beef cattle reproduction. Below is a brief overview of a selection of the presentations. You can find additional summaries and links to talks on the tReg blog.

The meeting began with an overview of the physiological principles that underlie current protocols for synchronization of estrus and ovulation in beef cattle by Dr. Mike Smith, University of Missouri. Smith stressed the importance of understanding these principles to make informed decisions regarding the implementation of estrous synchronization protocols and to assist in deciding how to proceed when a protocol is not administered correctly. Smith was followed by Dr. Dave Patterson, University of Missouri, who discussed the currently available fixed-time AI protocols for heifers and cows and practical suggestions for the implementation of the protocols. Patterson emphasized, if executed properly, the protocols work and provide a powerful tool for increasing the proportion of heifers and cows that conceive early in the breeding season.

Dr. Jordan Thomas, University of Missouri, discussed physiological differences in the response of *Bos indicus* compared to *Bos taurus*-influenced cattle to fixed-time AI protocols, which is relevant in the Gulf Coast region and Southwest part of the country. Further effort to optimize fixed-time AI protocols is warranted.

Kansas State University Extension Beef Specialist Sandy Johnson discussed tools designed to aid producers with scheduling protocols for synchronization of estrus and ovulation as well as implementing timely reproductive and herd management practices. For example, the Estrus Synchronization Planner (Iowa Beef Center) is designed to assist in the selection and implementation of an appropriate estrous synchronization protocol. After selecting a protocol and entering required information such as breed type, number of head, and breeding date, the planner provides key dates and times that require action, estimated cost of implementing the protocol, supply list, and other helpful information.

The planner can be found at: http://www.iowabeefcenter.org/estrussynch.html or if the producer plans to synchronize several groups of heifers or cows, the multi-group edition link is as follows: http://www.iowabeefcenter.org/software.html. A mobile version of the planner can be found by typing www.estrussynch.com into a browser on a mobile device. An additional tool that aids in timely management of a herd year-round is Management Minder which reminds producers of important dates and tasks that need to be completed. This tool can be found at www.KSUBee.org/ManagementMinder and can be shared with employees.

CONTINUED ON PAGE 50
More Pounds.
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More Marbling.
More Profit.

Success. SimAngus™.

“To really see premium value at a good cost of gain, animal genetics need to have potential for both muscle and marbling. Simmental and Simmental-crossed cattle really fit the bill.”

Tracy Brunner
Cow Camp Feedyard

“A large percentage of the cattle we feed have Simmental influence. Simmental has what a lot of cows need — more carcass weight, more live weight, more ribeye area, and still keeps the marbling intact.”

Tom Williams
Chappell Feedlot
**Breeding Season Strategies**

**From The Experts**

CONTINUED FROM PAGE 48

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**Figure 1.** Enter your values in the white input boxes

**Use of the Planner**

To begin using the planner, click on the *Planner Worksheet* (Figure 1) tab to select desired inputs. In the top right hand corner, you can enter information to identify the producer, group of cattle and the individual preparing the plan. This information will transfer to the calendar and print out portions automatically.

**Breed Type** - In the Input portion of the spreadsheet enter “1” for *Bos taurus* or “2” for *Bos indicus* (1/2 *indicus* breeding or greater).

**System Type** - Protocols are grouped based on how much if any heat detection is required; 1) AI after observed estrus (greatest time requirement for heat detection), 2) AI after observed estrus followed by clean-up fixed-time AI or 3) strict fixed-time AI (no heat detection). Enter 1, 2, or 3 in the input box to make the appropriate selection. When the “detection-insemination type” is changed from 1 to 3, the recommended protocols listed change based on that selection. Select a synchronization system by entering a number from the listed systems for cows or heifers. The short list of recommended protocols is different for cows (listed to the left) and heifers (listed to the right). The timing of insemination differs for some protocols between cows and heifers. Other reasons for differences include that use of MGA (melengestrol acetate) is only approved for use in heifers. Additionally, heifers do not seem to respond as consistently to GnRH and some heat detection systems for heifers will not include GnRH whereas it is included for cows.

---

SimTalk
Figure 2. Estrus Synchronization Planner spreadsheet, Calendar worksheet

Once the output from the planner has been generated, a number of additional steps should be taken to help ensure a successful synchronization program. Share the output with everyone involved in the project (and your spouse even if they aren’t directly involved) and double check for conflicts on their calendars. Post a copy of the calendar in the barn and/or in the area where AI supplies are stored. Mark the synchronization products with date they will be used. Mistakenly administering GnRH rather than prostaglandin (or vice versa) is a common problem.
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You’ve patiently waited your turn. It is time!
Heterozygous Black
Homozygous Polled

W/C United 956Y
Sire: W/C Executive Order 8543B
Miss Werning KP 8543U

SVS Captain Morgan 11Z
Dam: Ellingson CPTMORGAN C572
Ellingson 680S W903

ASA# 3465913 • PB SM

Direct                                  Maternal                          Carcass                          $ Index

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- Adjusted BW: 102 lbs.
- Adjusted WW: 908 lbs.
- Adjusted YW: 1,717 lbs.
- ADG: 5.08 lbs.
- WDA: 4.37
- Ultrasound REA: 17.31 – Ratio 110
- Scrotal: 42 cm
- Frame score: 6.3
- High-seller ($20,000) at the 2019 Ellingson sale

Semen: $25/straw
Volume discounts 100 straws @ $20/straw.
Contact Terry Ellingson 701-741-3045 or Ron Gilliland 916-612-1340

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Cell: 701-741-3045
e-mail: tellings@polarcomm.com

Ron Gilliland
8787 Mace Blvd
Davis, CA
916-612-1340

LDR Genetics
Davis, CA
Wrapping up the foundational principles section of the symposium was Dr. George Perry, South Dakota State University. Perry emphasized when implementing a synchronization and AI program, pregnancy success is only as strong as the weakest link. To increase the probability of success, heifers and cows should meet the following criteria by the time the protocol is implemented. Heifers should have attained an appropriate target weight and >50% of the heifers should have a reproductive tract score of 4 to 5 by four to six weeks before breeding. Postpartum cows should average 40 days postpartum (minimum ≥ 21 days postpartum at CIDR insertion), be in average body condition (≥ 5 at calving; 1 = emaciated and 9 = obese), and not experience significant weight loss after calving.

Time is precious, so when the option arises to reduce the number of trips through the chute, most producers take it. An example would be administering pre-breeding vaccinations at the start of a synchronization protocol. This saves time, but at what cost? Several studies conducted by Miller, Chiang, and Perry have reported negative impacts on pregnancy by vaccinating naïve heifers with a modified live virus (MLV) around time of breeding. Thus, an important variable to know is vaccination history. Are heifers naïve or non-naïve? According to Perry, “Females that have not been previously vaccinated are naïve while those that have been are non-naïve.”

You should also know what class of vaccine was administered. Recent research has reported that administering an MLV at 30 days or less pre-breeding can reduce AI conception rates even in non-naïve cattle. Chemically altered/inactivated vaccines (CA/IV) are considered safer and administering them closer to the breeding season has not been reported to cause problems in non-naïve heifers.

Perry also points out that efficacy of the class of vaccination is important to consider. Females that have only been exposed to CA/IV will have lower efficacy when exposed to BVD or IBR. Perry recommends heifers receive an MLV and their boosters early in life, then animals can be administered a CA/IV closer to the breeding season without worrying about reproduction or health concerns.

Management practices associated with a female’s diet before and after breeding are important to consider. The general recommendation is to keep the animal’s diet consistent prior to and during the breeding season. In addition, changing the environment in such a way that heifers are moved from a confined environment pre-breeding to a pasture post-breeding leads to increased nutritional demand in addition to increased activity of the heifers. When heifers have not had any previous grazing experience, they must learn how to graze on top of already increased nutritional demand, creating a situation that sets the heifer up to fail reproductively.

Shipping stress associated with transporting cattle to summer pasture can negatively impact pregnancy rate if not completed within four days of AI. Shipping females between day five and 42 after AI exposes the developing embryo to stress that appears to alter the uterine environment in a harmful way, resulting in approximately a 10% decrease in pregnancy rates. A 6% decrease in pregnancy rates was observed when females were shipped on day 45 to 60 of pregnancy. The current recommendation is to ship females between day one and four of pregnancy. Transportation stress appears to affect the embryo while in the uterus but not in the oviduct.

Although many of the presentations were focused on the female, bull fertility, semen handling, and proper AI technique were also discussed by Dr. Joe Dalton, University of Idaho. Based on the 2009 NAHMS survey of beef operations, scrotal circumference was measured in only 16% of herds and only 27% of the herds had bulls semen tested. Dalton sited Chenoweth (2002), who reported for each $1 invested in bull breeding soundness exams (BSE), there is a $20 benefit. Furthermore, Dalton presented data showing only 82% of beef bulls were classified as satisfactory potential breeders. Dalton emphasized a BSE should be performed prior to purchasing a bull, every year, and if there is any concern related to a bull’s fertility.

The Reproductive Task Force is encouraged by the progress being made in beef cattle adoption of reproductive technology. For more hands-on tips and resources, check out Applied Reproductive Strategies in Beef Cattle online (beefrepro.unl.edu) or join the meetings August 20-21, 2019, in Knoxville, Tennessee.

Check out additional content on tReg for more summaries from the 2018 ARSBC meetings and links to helpful resources.
K-LER KINGSMAN 610D
ASA# 3125337 | WIC EXECUTIVE ORDER X GW MISS GPRD 028X
- Top selling bull at the NWSS 2017 The One Sale
- A nearly perfect combination of EPD profile, genetic merit, unique pedigree power, structural soundness, & real-world functionality
- Full sister raised the high-selling bull at Werning Cattle for $180,000
- Five maternal sibs have been high-selling lots in Denver
- Tested clean of all defects & 50K
Semen available through Cattle Visions

RFG/K-LER ELEVATION 727E
ASA# 3268058 | LRS ELEVATE 213B X RFG FOREVER LADY C231

Owned by
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~ Bill Slovek, Slovek Ranch
Phillip, SD

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Top 1% Leachman $Profit at $16,742

ASA# 2389750 • 3/4SM 1/4AN
Homozygous Polled • Heterozygous Black
Hooks Shear Force 38K X New Design 878

A pillar in our breeding program, with over 500 sons sold. We are confident that your customers will be satisfied!

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Hooks Capitalist 37C
Top 0.8% Leachman $Profit at $18,962

ASA# 3013502 • 1/2SM 1/2AN
Homozygous Polled • Homozygous Black
GAR Protege X GW Lucky Man 644N

Proven 4-Star Calving Ease, 5-Star Maternal, high Marb, super attractive, Top 0.2% $Ranch
AND he’s Feed Efficient!

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Leachman Decree X936D
Top 0.1% Leachman $Profit at $23,281
ASA# 3144373 • 5/8SM 3/8AR
Homozygous Polled • Non-Diluter • DDF
CDI Verdict 220Y X Hooks Trinity 9T

4-Star calving ease with growth, feed efficiency and eye appeal! Very balanced proofs (Top 2% $Ranch AND 2% $Feeder.)

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Hooks Delegate 64D
Top 0.1% Leachman $Profit at $22,063
ASA# 3132798 • PB SM
Homozygous Polled • Non-Diluter • DDF
WS Prime Time B6 X GW Predestined 701T

You will be hard pressed to find a better option to make Red F1’s. Top 0.1% $Feeder at 225 (higher than nearly ANY terminal sire available!)

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<tr>
<th>ASA EPDs as of 2/1/19</th>
<th>CE</th>
<th>BW</th>
<th>WW</th>
<th>YW</th>
<th>MCE</th>
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<td>0.86</td>
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CDI Secret Agent 407C
Top 0.1% Leachman $Profit at $21,776
ASA# 2977098 • PB SM
Homozygous Polled • Non-Diluter • DDF
CDI Verdict 220Y X WS Beef King 43A

The PB SM, calving ease, DDF Verdict son we have been waiting for. Another promising prospect identified by $Profit.

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<thead>
<tr>
<th>ASA EPDs as of 2/1/19</th>
<th>CE</th>
<th>BW</th>
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<td>0.98</td>
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<td>86.3</td>
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Breeding Season Strategies
From The Experts

continued from page 54

BEEF COW PROTOCOLS - 2019

HEAT DETECTION

Select Synch

Select Synch + CIDR®

PG 6-day CIDR®

Heat detect and AI days 0 to 3. Administer CIDR® to non-responders and heat detect and AI days 9 to 12. Protocol may be used in heifers.

HEAT DETECT & TIME AI (TAI)

Select Synch & TAI

Select Synch + CIDR® & TAI

PG 6-day CIDR® & TAI

Heat detect and AI days 0 to 3. Administer CIDR® to non-responders & heat detect and AI days 9 to 12. TAI non-responders 72 - 84 hr after CIDR® removal with GnRH at TAI. Protocol may be used in heifers.

FIXED-TIME AI (TAI)*

7-day CO-Synch + CIDR®

5-day CO-Synch + CIDR®

for Bos Indicus cows only

PG 5-day CO-Synch + CIDR®

Perform TAI at 60 to 66 hr after PG with GnRH at TAI.

Perform TAI at 66 ± 2 hr after CIDR® removal with GnRH at TAI. Two injections of PG 8 ± 2 hr apart are required for this protocol.

* The time listed for “Fixed-time AI” should be considered as the approximate average time of insemination. This should be based on the number of cows to inseminate, labor, and facilities.

These protocol sheets were assembled by the Beef Reproduction Task Force. Programs are intended to promote sustainable food production systems by the beef industry through sound reproductive management practices for replacement heifers and postpartum cows. The Beef Reproduction Task Force recommends working with a licensed veterinarian for proper use and application of all reproductive hormones. Approved 8-28-18.
**BEEF HEIFER PROTOCOLS - 2019**

**HEAT DETECTION**

1 Shot PG

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7-day CIDR®-PG

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MGA®-PG

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**HEAT DETECT & TIME AI (TAI)**

Select Synch + CIDR® & TAI

Heat detect and AI day 7 to 10 and TAI all non-responders 72 - 84 hr after PG with GnRH at TAI.

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MGA®-PG & TAI

Heat detect and AI day 33 to 36 and TAI all non-responders 72 - 84 hrs after PG with GnRH at TAI.

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14-day CIDR®-PG & TAI

Heat detect and AI day 30 to 33 and TAI all non-responders 72 hrs after PG with GnRH at TAI.

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**FIXED-TIME AI (TAI)**

Short-term Protocols

7-day CO-Synch + CIDR®

Perform TAI at 54 ± 2 hr after PG with GnRH at TAI.

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<td>Heat detect &amp; AI</td>
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5-day CO-Synch + CIDR®

Perform TAI at 60 ± 4 hr after CIDR removal with GnRH at TAI. Two injections of PG 8 ± 2 hr apart are required for this protocol.

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<td>Heat detect &amp; AI</td>
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Long-term Protocols

14-day CIDR®-PG

Perform TAI at 66 ± 2 hr after PG with GnRH at TAI.

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<td>Heat detect &amp; AI</td>
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MGA®-PG

Perform TAI at 72 ± 2 hr after PG with GnRH at TAI.

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<th>14</th>
<th>33</th>
<th>36</th>
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<td>Heat detect &amp; AI</td>
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* The times listed for “Fixed-time AI” should be considered as the approximate average time of insemination. This should be based on the number of heifers to inseminate, labor, and facilities.

These protocol sheets were assembled by the Beef Reproduction Task Force. Programs are intended to promote sustainable food production systems by the beef industry through sound reproductive management practices for use in replacement heifers and postpartum cows. The Beef Reproduction Task Force recommends working with a licensed veterinarian for proper use and application of all reproductive hormones. Approved 8-28-2018.
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**ASA Publication’s *SimTalk* Production Schedule Deadlines**

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<th>Ad Materials</th>
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<td>July 23</td>
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<td>Late Fall 2019</td>
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<td>January 2020</td>
<td>Dec 5</td>
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<td>March 2020</td>
<td>Jan 23</td>
<td>Jan 30</td>
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Government Shutdown Limited Food Safety Inspections

The US Department of Agriculture’s (USDA) Food & Drug Administration (FDA) oversees inspections of nearly 75% of the nation’s food supply, and nearly all of FDA’s inspectors remained furloughed during the recent government shutdown. The USDA Food Safety & Inspection Service (FSIS) also remained hamstrung in its ability to carry out inspections, as inspectors were not receiving pay for their work.

The government shutdown came at a time when many inspectors were already being asked to do more due to inspector shortages, and it also created morale problems and put food safety at risk, Representative Rosa DeLauro (D., Conn.) said. DeLauro held a House Congressional Food Safety Caucus briefing.

Sarah Sorscher, deputy director of regulatory affairs at the Center for Science in the Public Interest, said at the House briefing that the most significant impact is on long-term morale. Base pay for many of the USDA inspectors starts at $29,000 per year, leaving little financial cushion. As of January 11, USDA and FDA food safety inspectors missed a paycheck. The reality set in that they have expenses they may not be able to cover, and that stress may bleed over into their work.

FDA claims that it will continue to conduct “for cause” inspections and pursue criminal and civil investigations related to “imminent threats to human health or life.” Corbo said there were staffing shortages before the shutdown started. FSIS requires a certain number of inspectors for each carcass slaughtered. In fiscal 2018, FSIS oversaw the slaughter of 171 million livestock animals, 9.5 million poultry birds, and an estimated 4.4 billion pounds of imported meat and poultry.

A poultry plant, for instance, allows for up to 140 birds to be slaughtered per minute, with four inspectors assigned to that line. If one of the inspectors isn’t on the line, that line has to be slowed down.

Due to the partial government shutdown, the Alcohol & Tobacco Tax & Trade Bureau had been unable to review or approve any labeling changes, new formulae or permits for brewers and distillers across the country. Since the start of the shutdown, more than 11,000 applications for alcohol labels had been backlogged.

Book Tells How to Deal with Fescue Toxins

Courtesy of author, Duane Dailey and University of Missouri Extension

Everything needed to manage toxic fescue comes in a new edition of an old booklet, says Craig Roberts, University of Missouri (MU) Extension Specialist. First copies of “Fescue Toxicosis and Management,” second edition, have arrived. The 20 pages go beyond a guide sheet. It tells everything a farmer needs to manage tall fescue, Roberts says. All who enroll in multistate fescue schools in 2019 receive a free copy. It provides the agenda for the one-day schools.

Roberts, an MU forage specialist, joined with co-author John Andrae of Clemson University to re-do a publication they wrote in 2010. Much more is known now. “In our original book, we just mention novel endophyte fescue. Now five seed companies offer different non-toxic fescue varieties,” Roberts says.

“We tell many ways to manage fescue toxicosis,” he adds. “But the best way to solve the problem is to kill old fescue then plant a novel variety.” The widespread K-31 fescue grows an internal fungus that makes a toxin that protects the grass from droughts, pests and grazing livestock.

Researchers discovered other internal fungi, or endophytes, that protect fescue but do not poison grazing livestock.

Tall fescue fits in many farm grazing plans. Its toxicity allows it to survive largely unmanaged. The downside is severe losses, including fescue foot. Toxin restricts blood flow in animals, resulting in frozen feet. Those often cause loss of hooves and death. The book cover photo shows three Missouri feeder calves on toxic fescue. Instead of grazing, one stands in a watering tank. The others stand in wet mud. All are cooling their heels. The unshed winter coats, still worn in summer, are another sign of the toxicosis impact.

Cattle standing in ponds are not grazing or gaining weight. Many studies cited tell of novel endophyte varieties that improve gains, reproduction and milking. Most losses are not visible, nor as dramatic as hoof loss. Replacing fescue is long and complicated. But payoffs are large and lasting.

The report gives eight management strategies for toxicosis. Those range from dilution with clover to managed grazing or diet supplements.

All suggestions are based on research. Roberts doesn’t expect farmers to read all of the literature cited, but citations increased to 73 from 47 in the first book. The booklet comes from a prime source: The American Society of Agronomy.

CONTINUED ON PAGE 70
Rockin H Simmentals

2019 Annual Production Sale

Saturday, March 16, 2019 • 12:00 Noon

At the Farm, 2569 220th St., Canby, MN 56220

Selling 45 Stout Performance Herd Bulls & 20 Fancy Open Females!

Rockin H Mr Foreman F12
Sired by GLS/JRB Cash Flow PB SM Herd Bull Prospect

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Sired by CAJS Blaze Of Glory 3/4 SM Open Show Prospect

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Sired by GLS Integrate Z3 PB SM Herd Bull Prospect

Rockin H Mr Rancher F27
Sired by JF Rancher 3/4 SM Herd Bull Prospect

Rockin H Ms Yellowstone F61
Sired by Hooks Yellowstone 3/8 SM Open Show Prospect

Rockin H Mr Wide Range F16
Sired by CCR Wide Range 9005A 3/4 SM Herd Bull Prospect

Rockin H Mr Wide Range F42
Sired by CCR Wide Range 9005A PB SM Herd Bull Prospect

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As he described the new data, Roberts held one of the first copies off the press. Information on how to get a copy will be released later. Currently, books will be provided with attendance to one of the fescue grazing schools starting in March. The fescue schools will start in Missouri and travel on to six states across the Fescue Belt, starting in Missouri southeast to South Carolina and Georgia. Georgia has joined the network since last year, where fescue toxicosis was first described.

The organizing sponsor is the Alliance for Grassland Renewal. That brings together seed companies, testing labs, farmers, USDA agencies, and universities. All work together to tell the same story across the states, Roberts says. “The group came a long way in unifying grass management.” Livestock benefits. Farmers pocket profits.

Adults Believe They Have a Food Allergy

More than 10% of adults in the US — over 26 million — are estimated to have a food allergy, according to a study published in JAMA Network Open; however, researchers found that 19% of adults think they are currently allergic to a food, although their reported symptoms are inconsistent with a true food allergy, which can trigger a life-threatening reaction. Results are based on a nationally representative survey of more than 40,000 adults.

“While we found that one in 10 adults have food allergy, nearly twice as many adults think that they are allergic to foods, while their symptoms may suggest food intolerance or other food-related conditions,” said lead author Gupta, who also is a professor of pediatrics at the Northwestern University Feinberg School of Medicine. “It is important to see a physician for appropriate testing and diagnosis before completely eliminating foods from the diet. If food allergy is confirmed, understanding the management is also critical, including recognizing symptoms of anaphylaxis and how and when to use epinephrine.”

Researchers discovered that only half of adults with a convincing food allergy had a physician-confirmed diagnosis, and less than 25% reported a current epinephrine prescription.

Researchers also found that nearly half of food-allergic adults developed at least one of their food allergies as an adult.

The study data indicate that the most prevalent food allergens among US adults are shellfish (affecting 7.2 million adults), milk (4.7 million), peanuts (4.5 million), tree nuts (3 million), fin fish (2.2 million), eggs (2 million), wheat (2 million), soy (1.5 million) and sesame (500,000).

CONTINUED ON PAGE 72
Bridle Bit Simmentals

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Affordable, rough terrain ready bulls backed by years of performance testing, ultrasound, genomics and GrowSafe data.

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Study Shows Value of Red Meat Exports to Corn

The US Meat Export Federation (USMEF) has received the results of an updated study aimed at quantifying the value delivered to US corn producers through exports of red meat. The original 2016 study, as well as the 2018 follow-up, were conducted by World Perspectives, Inc. (WPI), a leading agricultural consulting firm.

The original study, titled “The Intersection of US Meat Exports & Domestic Corn Use,” concluded that exports of US red meat in 2015 accounted for 11.7 million tons of combined corn and dried distillers grains with solubles (DDGS) use. In the latest update, WPI concluded that 2018 beef and pork exports used a combined total of 14.9 million tons of corn and DDGS, which equates to an additional 459.7 million bu. of corn produced — an increase of 29% over the 2015 projections.

The updated study also took note of the importance of exporting alternative cuts of beef and pork that are often underutilized in the domestic market. Beef and pork exports have a direct impact on the utilization and value of DDGS as well, the updated WPI study noted. Overall, the value of DDGS sold for feed to livestock represents about 23% of the value of ethanol per bushel of corn.

Beef's Environmental Impact

A new study published recently in the journal Agricultural Systems reports that beef's environmental impact is lower than perceived. In the report, titled “Environmental Footprints of Beef Cattle Production in the United States,” the researchers found that widely accepted measures related to beef cattle's impact in the US are often overestimated.
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WC Relentless 32C x BC Lockout 7024
AI Bred to WC Lock Down 206Z

BRANT E215Z
WC United 965Y x Wheatland Red Ace 747T
AI Bred to TJ Franchise 451D

BRANT F32B
Coleman Charlo 0256 x Mr NLC Upgrade U8878
1/2 SM Herd Bull Prospect

VON JAZZY F70B
CDI Innovator 325D x Elm-Mound Upgrade 24
3/4 SM Herd Bull Prospect

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John Von Rueden Mgr.
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The comprehensive life-cycle assessment, conducted by the US Department of Agriculture’s Agricultural Research Service and the beef checkoff, was designed to scientifically quantify the sustainability of US beef production. This was accomplished by collecting and examining feed and cattle production-related data from more than 2,200 cattle producers in seven regional production areas. Conclusions were derived using a simulation model and the regional production data to estimate national impacts in greenhouse gas (GHG) emissions, fossil energy use, blue water consumption, and reactive nitrogen loss.

Notable examples include: beef production, including the production of animal feed, is responsible for only 3.3% of GHG emissions in the US which is dramatically lower than the often-misapplied global livestock figure of 14.5%; cattle consume only 2.6 lb. of grain per pound of beef carcass weight which is comparable to feed conversion efficiencies of pork and poultry; and on average, it takes 308 gallons of water to produce a pound of boneless beef, and previous reports have estimated upwards of 24,000 gallons.

The study assessed cattle production in the farm and ranch portion of the beef supply chain, including emissions associated with energy, feed, machinery, seed, pesticide and other resources used in production. Related work is in progress to assess production further down the supply chain, including in the processing, packing, distribution, retail, consumption, and waste handling sectors. Together, these reports will comprise the most detailed and comprehensive assessment of US beef’s sustainability to date.

Soil Profile for Pre-planting Plans

Fifteen grams of soil can profile a microbiome profile using DNA sequencing for better crop decisions, much like at-home DNA tests for people. Launched over three years ago and with most of their experience in high value specialty crops, Trace Genomics is pioneering a soil test technology to accurately assess agronomic potential and risks before the growing season begins.

The company takes a soil sample and then delivers a report showing soil health characteristics and potential agronomic risks. The sample procedure is compatible with grid or zone management. Each sample is 15 grams of soil, which is collected in a barcoded tube. As described by its leaders, the company is digitizing the soil’s bacteria and fungi populations to then better inform planting, scouting, fertilizer, and crop protection decisions.

By 2020, Trace Genomics expects to expand with experience in row crops. In soybeans, the company aims to better assess risks and improve management for sudden death syndrome in soybeans. For retailers, the report can help them position products.
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Alternative Meat to be Regulated

Players on all sides of the animal protein and substitutes markets breathed a sigh of relief when USDA and FDA agreed on joint regulation of the cell-cultured meat industry in the US. The public display of inter-agency cooperation clarified the direction the federal government was heading regarding the intersection of two nascent technologies and an industry that’s been part of the American identity for 200 years.

Far from resolving the issue, though, the announcement set the stage for more of the same in 2019 and beyond. Like the conventional meat production and processing business, cell-cultured meat companies and those that produce plant-based meat analogues promise to be among the country’s most regulated, legislated, and litigated industries in the country.

“I can’t emphasize enough the importance of the level playing field,” says Mark Dopp, the North American Meat Institute’s general counsel and senior vice president of regulatory and scientific affairs. For the meat industry, a “level playing field” starts with the same level of government oversight the conventional meat industry has had for more than 100 years.

Plant-Based Proteins Increase for Foodservice

Case shipments of plant-based proteins from broadline distributors to foodservice operators climbed 20% last year, compared with the year before, as consumers seek out both protein and perceived “better for you” options, NPD Group said. All regions of the country saw double-digit growth in the year ended November 2018, with the West representing the most plant-based volume and case shipment growth, followed closely by the South, according to NPD.

About a quarter of the US population, many of whom aren’t vegan or vegetarian, say they consume plant-based beverages and foods as well as animal protein on a regular basis. Among the reasons plant-based proteins have moved into the mainstream are that consumers have concerns about animal welfare, and they want to know how products are brought to market. Burger substitutes represent the largest plant-based foodservice category and have seen year-over-year double-digit growth in pounds shipped to operators, the firm said. The group’s receipt mining service shows that smaller, more affluent households earning $100,000 and up are the top buyers of plant-based burgers.

“Plant-based proteins are no longer just a meat replacement, it’s now its own category,” David Portalatin, NPD food industry adviser, said in a press release. “It’s possible that protein overall is evolving into a category, whether animal meat, beans, nuts, soy, wild game, or other proteins, in forms ranging from beverage to center of plate.”

JBS Fined for Carcass Weights

A civil penalty of $50,000 has been assessed to JBS USA after alleged violations of the Packers and Stockyards Act via inaccurate reporting of weights and grades of beef carcasses.

In a press release from USDA’s Agricultural Marketing Service (AMS) sent out on December 14, the agency announced that a consent decision was reached with JBS USA Food Company, also known as Swift Beef Company (JBS Swift), regarding the violation.

Through an investigation AMS found that JBS had not maintained the identity of beef carcasses at the packing company’s Grand Island, Nebraska, facility. This resulted in prices for carcasses being paid out incorrectly because the weights and grades were not attributed to the cattle.
**Cool Additions!**

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---

**SC Pay the Price C11**

Pays to Dream x Trademark

Two-time NWSS Grand Champion Bull

---

**RFG/K-LER Elevation 727E**

RS Elevate x MCM Top Grade

High-seller at 2018 NWSS "The One" Bull Sale. Awesome outcross and EPD profile with excellent outline!

---

**KCC1 Exclusive 116E**

Hammer x Entourage

$240,000 valuation high-seller at Fort Worth! Lead bull in Kearns’ 2018 NWSS Champion Pen!

---

**GSC GCCO Dew North 102C**

Duracell x Dew It Right

Calving ease combined with tremendous structural soundness! 2018 Fort Worth Champion!

---

**Longs Pay the Man E16**

Pays to Believe x Trademark

Great-built, stout, double-homozygous Pays to Believe son!

---

**Erixon Bitten 203A**

NCB Cobra 47Y x BMD Miss BLK Ice Dancer

Bitten offers a shortened gestation length and superior calf vigor. Tons of hair at birth with excellent growth, capacity and a genetic profile in the top 4% of the breed. His sire, NCB Cobra is the 2018 Canadian sire-of-the-year with 26 progeny averaging $12,100.

---

**KSIG Steelin His Style 6D**

Silveiras Style x Steel Force x SS Babys Breath

1/2 SimAngus™, calving ease from the 2012 American Royal Champion!

---

**W/C Double Down 5014E**

Executive Order X Yardley Utah

Featured at the 2018 Werning Sale, selling to Steve Hicks, IN, owner of Relentless. Expect Double Down to transmit a bold rib with extension through his front 1/3.

---

**MR CCF 20-20 100B**

MR CCF Vision x HTP SVF Dew The Stroke

20-20 has sired lots of high sellers for his owner group of Cooper, Hartman and Polzin. They are stout-made and growthy with loads of eye appeal!
The inaccurately recorded weights, grades, and prices for beef carcasses occurred from December 14, 2017 through March 31, 2018.

Following notification of the violations, JBS immediately took corrective actions to adjust the tracking procedures and computer software for beef carcasses at the plant. The company also conducted a self-audit to determine the issues. Subsequently, JBS mistakenly overpaid some cattle sellers and underpaid others during the 105-day period. Through the consent decision JBS did not seek reimbursement from the cattle producers who were overpaid. The beef packer will also send additional payments to the cattle sellers who were underpaid in that time.

According to JBS, fewer than 40 cattle producers were negatively impacted by the error and many of those producers have been reimbursed.

**Taco Bell Focusing on Sustainable Beef**

Taco Bell laid out a series of commitments to move its business in an eco-friendly direction in 2019. A key promise is to “work to ensure all beef is sustainable,” the quick-service chain with more than 7,000 US restaurants said in a news release. To that end, Taco Bell has joined the US Roundtable for Sustainable Beef (USRSB), a network of beef experts composed of representatives from the supply chain, academia and research, environmental and animal welfare organizations, and veterinarians. In May, the roundtable announced the first iteration of its sustainability framework for the US beef industry.

At the same time, the Yum Brands unit vowed to make its restaurants more welcoming to vegetarians and flexitarians. “Later this year, Taco Bell will be testing its first, dedicated vegetarian menu in stores, as well as new featured vegetarian items to enjoy,” the company said.

Other promises for the upcoming year include “simpler, higher quality ingredients,” improved recycling on its paper and plastic goods, support for quality at the “value” end of the menu and creating new jobs in the US, toward a goal of 100,000 new jobs by 2022. The company also doubled its funding goal for the Taco Bell Foundation, which offers scholarships to “passionate innovators and creators.”

Taco Bell said it has made good on its 2017 promises to remove XL soda cups, use only cage-free eggs across its menu, serve only chicken raised without antibiotics important to human medicine, develop more opportunities for young people by supporting the Taco Bell Foundation in growing the Live Más Scholarship program, and create more US jobs.

**McDonald’s To Address Antibiotics in Beef**

McDonald’s Corporation said it plans to reduce the use of antibiotics in its global beef supply, fueling projections that other restaurants will follow suit. The move by the world’s biggest fast-food chain addresses concerns that overuse of antibiotics vital to fighting human infections in farm animals may diminish the drugs’ effectiveness in people.

McDonald’s becomes the biggest beef buyer to tackle the issue in cattle, potentially creating a new standard for livestock producers and threatening sales by drug companies such as Merck & Co and Elanco Animal Health.

McDonald’s said it will measure the use of antibiotics in its 10 biggest markets, including the US, and set targets to curb their use by the end of 2020. The markets cover 85% of the company’s global beef supply chain. Under the McDonald’s policy, medically important antibiotics cannot be used to routinely prevent disease in food animals in the supply chain. The company does not expect the policy to raise hamburger prices, although franchisees set their own menu prices.

Franchisees operate about 90% of McDonald’s restaurants. The US Food and Drug Administration last year said sales and distribution of medically important antibiotics for food production fell 14% from 2015 to 2016, the first decline in year-to-year sales since the agency began collecting the data in 2009. Chicken accounted for 6% of the sales, while swine and cattle came in at 37% and 43%, respectively.

Many restaurants and meat companies have moved away from using antibiotics in chicken production in recent years, in part because McDonald’s did so. The Chicago-based chain has an outsize influence on farm practices due to its size.

Removing antibiotics from cattle is more difficult, experts said, because the animals live longer than chickens and have more chances to fall ill.

Hamburger chain Wendy’s Co. a year ago said it would buy about 15% of its beef beginning in 2018 from producers that have pledged to reduce by 20% their use of an antibiotic.

“What McDonald’s is doing will hopefully start to shift the industry all together from over-using antibiotics,” said Matt Wellington, antibiotics program director for advocacy group US PIRG.

**TB Found in ND Beef Herd**

An investigation is underway by state veterinarians in North Dakota after a rare strain of bovine tuberculosis (TB) was identified in a beef cow herd. Two adult beef cows tested positive for *Mycobacterium bovis* at out-of-state slaughter plants. Upon testing the rest of the ND herd, five more cows tested positive with more testing in progress.

CONTINUED ON PAGE 80
BREED LEADING GENETICS AT SENSIBLE PRICES

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March 2, 2019 || 11:00 AM - 3:00 PM

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Our group of breeders includes the #6 and #7 ranking API herds in the nation.
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For more information, visit www.jcsimmentals.com

JC Simmentals Sale Facility, Clare, MI || 1:00 PM ET
This is the first time this particular strain of TB has been found in the US, but is similar to types identified in Mexican cattle. The disease is zoonotic, meaning it can be transferred between humans and animals. The North Dakota Department of Agriculture and State Board of Animal Health usually work with the USDA-APHIS Veterinary Services on such issues, however the government shutdown had limited current funding.

**Novel Strain of TB**

The Canadian Food Inspection Agency (CFIA) has provided an update on their investigation into bovine tuberculosis (TB) in British Columbia, originally confirmed in 2018. CFIA chief veterinary officer Dr. Jaspinder Komal said the majority of the infected herd in British Columbia’s southern interior has been tested, and to date, four confirmed cases of bovine TB have been found in that herd.

CFIA said trace-out activities are progressing as expected, with cattle from the infected herd being traced to parts of British Columbia, Alberta, and Saskatchewan. The agency said movement controls have been placed on approximately 18,000 animals to date, which includes 25 premises.

CFIA’s Ottawa Laboratory-Fallowfield in Ontario has completed culture testing of the tissue samples collected from the original infected animal. The test results have identified the strain of bovine TB to be distinct from any cases previously detected in Canadian wildlife or domestic livestock. Komal said, noting that this strain is not related to past cases of bovine TB in Alberta or British Columbia or anywhere else in Canada.

**Tea Tree Oil a Potential Antimicrobial**

A new research study suggests that essential oil extracted from tea tree (*Melaleuca alternifolia*) is a potential natural antimicrobial agent to preserve ground beef. Researchers inoculated ground beef samples with various suspensions of *Listeria monocytogenes* strain ATCC 7644. The strain proved extremely sensitive to the oil following diffusion testing, and surface deformation and reduction in the size and diameter of the treated strain were observed.

In addition, the death-time curve revealed a reduction of viable *L. monocytogenes* cells after one hour of contact with the oil. The food matrix test indicated antimicrobial activity in all samples with only one exception. The inhibitory effect on *L. mono* by the tea tree essential oil was promising, noted the researchers, because it was effective at low concentration.

---

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Simbrah • Simmental

We’ve fed 219 head of our steers and heifers at Lubbock Feeders over the last two years. They graded over 90% choice or better with no standard grades.

We have 20 Simbrah and Simmental 18-24 month old bulls as well as 60 Simbrah and Sim-Angus HT” open yearling replacement heifers available for the progressive rancher. For more information give us a call or e-mail:

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Dr. Ben Estes, DVM 940-357-1483 cell • estesfamily@swoi.net
4100 CR 290 Wellington, TX 79095

CONTINUED ON PAGE 82
3.9.2019 BULLS OF the Prairie

1:00 pm ct - Rains Simmental in Oakley, KS

8418F  |  SAPI 130.9  |  STI 74.0  
NLC COW ROSS 160K x THT ELEVATION Y364

8425F  |  SAPI 141.8  |  STI 82.9  
NLC COW ROSS 160K x GW BAR CK BREAKOUT 667Z

F8032  |  SAPI 134.7  |  STI 73.5  
HOOK’S BALTIK 178 x NICHOLS MANIFEST 779

F849   |  SAPI 137.5  |  STI 76.8  
ASR LONGEVTY Y184 x CNS DREAM ON L186

F831   |  SAPI 127.9  |  STI 71.5  
WBS OUTCROSS C164 x WS BEEF KING W107

F819   |  SAPI 113.0  |  STI 66.5  
ASR LONGEVTY Y184 x CAMP MR MAKSIM S 4

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shane@t-hearted.com

CAMPBELL SIMMENTALS  
Robert Campbell  
970-749-9708

Rains Simmental  
Mike & Celeste Rains  
Mason, Macey, McKellen, Morgan  
2906 County Road 360, Oakley, Kansas 67748  
Mike Rains  785-672-7129

EPOs current 2/7/19.
Illegal Cattle Moving Case

The veterinarian for a Louisville, Kentucky-based cattle company accused of illegally moving 60,000 head of cattle out of state pleaded guilty to charges he was part of a conspiracy to defraud the US government.

John Moran was accused of pre-signing the required paperwork that certified that the cattle were safe to move even though he had not inspected the herd owned by Barber & Sons, Inc. Moran was accused of receiving nearly $19,000 from Barber & Sons to sign 675 false certifications between 2013 and 2015, according to the original court filing. He is the second of two defendants to plead guilty in the case.

Millenials and Hispanics Drive Organics

Millenials are spending 14% more on organic products this year compared to last, while Hispanic consumers lead other ethnic groups, spending over 13% more on organic products compared to a year ago, according to Nielsen data.

The market research firm reported that organic products sales now account for more than $21 billion in sales and are up nearly 9% in dollars and 8% in units.

“Where the average American household is spending just 0.2% more across overall fast-moving consumer goods, the pace of purchasing happening among organic goods is exceptional and is breathing life into otherwise flat or contracting aisles of the store,” Nielsen noted in a news release.

Of the top 10 categories with the highest organic dollar sales, fresh chicken was ranked fifth, with $499 million in sales, up 11% over last year. Cow’s milk, pre-packaged salads, chicken eggs, and nutrition bars rounded out the top five.
McDonald Farms

16th Annual
‘Pick of the Pen’ Bull Sale
Saturday April 6, 2019 • 1:00 PM

“Our cows work for us; so our bulls will work for you.”

Selling: 75+ Bulls
Simmental, SimAngus™ and Angus.
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Trump Reassures Farmers on Trade

The most recent round of trade talks between the US and China covered a wide range of topics. China’s Commerce Ministry released a statement saying the talks are helping to establish a way forward to wrap up the dispute between the two largest economies in the world; however, a Reuters report says the statement didn’t give many specifics on the issues the negotiators are trying to work through.

It’s the first time the two sides have talked since the Trump Administration and China agreed to a 90-day truce during a meeting in Buenos Aires. The Chinese Commerce Ministry statement says the two sides “held extensive, deep, and thorough exchanges on trade and structural issues of common concern, which promoted mutual understanding and established a foundation for resolving each other’s concerns.” The US Trade Representative’s Office has issued a statement saying the two sides discussed “ways to achieve fairness, reciprocity, and balance in trade relations.” The report said China pledged to buy “a substantial amount” of agricultural, energy, and manufacturing goods from the US.

BQA Online Reaches Milestone

More than 50,000 cattle producers have been certified through the Beef Quality Assurance (BQA) program’s new online learning system since it was first offered in February 2017. Throughout the country, hundreds of thousands have now become BQA certified through in-person and online training, with an estimated 80% of the US fed beef supply now touched by BQA-certified operations.
Dickinson Ranch 48th Production Sale
Saturday, March 16, 2019 • 1:00 p.m.
at the ranch • Gorham, Kansas
Selling: 100 Bulls  25 Reg. Yearling Heifers
Simmental • SimAngus™ • Angus • Red Angus

All our females are required to graze on stockpiled grass with limited protein supplement through the winter. And raise a good calf.

• The sale bulls and females are out of cows like these, born unassisted and unattended on the range.
• Cattle that are required to calve unassisted and get up and suck with vigor.
• Cattle that will grade on the rail. Steer mates last 2 years have graded 97% and 96% choice.
• Females will hold their flesh on limited resources with no hay or processed grain.
• Genetics will keep you in business by allowing you to retain the heifers that will improve the efficiency of your herd in future years and lowering your feed bill, and by selling good looking cattle at weaning or by selling them on a grid on the rail as fat cattle.

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Kirk 785.735.4347, cell • 785.998.4401, phone/fax
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5 month old half sib to last year’s high seller.
The beef checkoff-funded BQA program is a nationally coordinated, state-implemented program that provides systematic information to US beef producers and beef consumers of how commonsense husbandry techniques can be coupled with accepted scientific knowledge to raise cattle under optimum management and environmental conditions. BQA guidelines are designed to make certain that all beef consumers can take pride in what they purchase — and can trust and have confidence in the entire beef industry.

OSHA Fines Nebraska Beef Plant

The US Department of Labor’s Occupational Safety & Health Administration (OSHA) has cited Noah’s Ark Processors LLC — based in Hastings, NE — for process safety management violations after an employee suffered severe burns caused by exposure to anhydrous ammonia, a gas used as an industrial refrigerant. The beef processing plant faces penalties of $182,926 for 16 serious safety violations, according to a statement from OSHA.

Beef Imports Lower, Exports Higher

As of October, US beef imports declined by 4.8% year-over-year to 234 million pounds. Mexico’s imports declined by 19.2%, Australia by 11.2%, and New Zealand by 10.2%.

Exports were higher, up by 272 million pounds (4.6%) from last year. South Korea, Japan, and Taiwan contributed most of the growth, which is expected to continue.

Five-year Farm Bill Signed

A five-year, $867-billion farm bill that expands farm subsidies and funds programs for organic farmers and nutrition programs has been finalized.

The bill allows USDA to use funds for a new Foot and Mouth Disease Vaccine Bank and pays for the National Animal Health Laboratory Network, which provides disease surveillance and diagnostic support, as well as creation of a National Animal Disease Preparedness and Response Program. It also legalizes domestic hemp production.

CONTINUED ON PAGE 88
NELSON LIVESTOCK COMPANY
ANNUAL BULL SALE

NLC Cow Boss 160C. Sold in the 2016 sale, owned by Stewart Family Genetics, T Heart Ranch and Nelson Livestock Co.

NLC Gen Ten 82E, high seller in 2018 sale, and son of NLC Progressive 40C, high seller in 2016 sale. Gen Ten boasts ten generations of Nelson breeding on the cow side. Semen available from Allied and ABS.

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APRIL 8, 2019
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55 Black and Red SimAngus™ Bulls
20 Black and Red Purebred Simmental Bulls
5 Purebred Angus Bulls

No creep.
No pampering.
No hard feed.
No problems.

Simmental since ‘71.
When you buy bulls from Nelson Livestock Co., you expect maintenance free genetics. Our rugged, forage based operation is designed to be as close to the conditions of our primary customers’ as we can make them. Environmentally tested black and red SimAngus™ and Simmental genetics for no-miss crossbreeding solutions. Selected for generations to thrive without extra inputs; and then produce high value feeder cattle that generate efficiency, beef value and profits all down the beef chain.

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Consumers Eating Restaurant Meals at Home

US consumers are eating more meals from restaurants within their homes, according to new data. The research indicates that restaurant meals consumed at home accounted for 32% of all restaurant traffic, up 2% from results a year ago.

A percent of those who chose to eat at home were at home before they ate the restaurant meal, with single adults with incomes of more than $100,000 driving the majority of the in-home restaurant meal increases. Families and groups of five or more represented 31% of food service meals eaten at home.

Animal Welfare Factor When Buying Meat

Animal welfare has a larger impact on meat purchasing decisions than price or quality, especially among millennials and women, according to a new survey.

Nearly two-thirds (66%) of US consumers surveyed said they would be less likely to buy meat processed by a company with a bad reputation when it comes to animal welfare. Nearly half of all survey respondents (46%) cared about both price and quality of the food products, while 29% cared more about quality alone.

New Meat Cuts Top Chefs’ 2019 Trends

Globally inspired new cuts of meat are among the top menu trends forecast for 2019 by chefs in a National Restaurant Association (NRA) survey.

About 67% indicated that new cuts of meat would again be among the top food trends, like last year. Examples are oyster steak, merlot cut, and Vegas Strip steak. More than 60% identified local meats and seafood as hot items.

Study Challenges Conventional Wisdom

A study by USDA researchers has found similar levels of antimicrobial resistance in ground beef samples from cattle raised without antibiotics and in conventional ground beef.

The researchers noted that the US ground beef with “raised without antibiotics” label claims is perceived as harboring fewer bacteria with antimicrobial resistance (AMR) than are found in conventional ground beef with no such label claim. However, they said, they found the study results were consistent with prior research suggesting antimicrobial use in US beef cattle has minimal impact on the AMR of bacteria found in these products.
W/C Executive 187D

w/c United 956 x Miss Werning KP 8543U | ASA# 3182363
3/4 SM, 1/4 AN | Homozygous Polled | Heterozygous Black

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Proven calving ease now ranks him in the top 3% of the breed. Calves are vigorous and thriving in the real world environment. A go-to sire to use on heifers, reported birth weights have averaged 73 lbs. on heifers and 77 lbs. on bulls.

- Siring presence and look with great hair.
- Full brother to W/C Executive Order 85438, the 2015 high selling bull at Wernings for $71K.
- Dam, 8543U, is arguably the most versatile breeding piece in the breed.
- Ultimate breeding flexibility, use to improve structure, enhance growth, and add maternal strength while producing purebreds or percentages.
- ADG 4.2# ranked 7th out of 200 bulls, great scan data ratioing 114 for IMF and 112 for BF.

WERNING CATTLE COMPANY
Emery, SD

27262 424th Ave., Emery, SD 57332 • www.werningcattle.com

Semen: $40/unit Available through owners and CATTLE Visions (866) 356-4565
Canadian Bovine Tuberculosis Probe Results

An investigation into a case of bovine tuberculosis (TB) in a herd of cattle in British Columbia will continue even though the majority of the animals in the affected herd have been tested. The Canadian Food Inspection Agency (CFIA) and British Columbia officials are working together with producers and industry associations after four cows were confirmed to have bovine TB starting in October 2018.

Animals from the infected herd now have been traced to parts of three Canadian provinces and movement controls are in place on about 18,000 animals on 25 premises. Tests also uncovered that the confirmed cases of bovine TB are distinct from previous cases found in Canadian wildlife or domestic livestock.

Ag Leaders Increase Efforts to Stop Move

Pushback from the agriculture community ratcheted up as 21 prominent voices, including two former USDA chief scientists, wrote to Congress expressing concern about a decision to relocate two research units outside of Washington, DC.

The USDA announced that the Economic Research Service (ERS) and National Institute of Food and Agriculture (NIFA) would be moving outside of the Capitol by the end of 2019. The group is calling to protect ERS and NIFA as independent agencies so they maintain the quality, credibility, and integrity of their research.

Takeout Customers Buy More than Dine-in

Consumers who regularly use takeout or delivery services tend to buy more food when ordering than when they dine in the restaurant, according to new research. Those who have increased their takeout usage since 2016 say easier-to-use mobile apps and websites are a reason they order more.

Fifty-eight percent of all foodservice orders are for carryout and delivery among regular takeout customers; 30% of regular takeout users — those who order carryout or delivery at least once a month — say they typically purchase more food when ordering carryout versus dining in.

CONTINUED ON PAGE 92
Purpose - Progress - Profit
Elite Sires for your Spring Breeding needs....

IR Opportunity D950
ASA # 3210730
5/8 SM 3/8 AN
Homo Polled - Homo Black
- One of the top Alumni sons to surface, out of the #6 API$ Active Cow in the breed.
- Dam is perfect uddered at 6 years of age with 5 calves and a 367 day interval, weaning 55% of her body wt.
- Breed Leading in every maternal trait... Opportunity is destined to be the next great female sire.
- Premium earning carcass merit.
- First progeny all born unassisted with good dispositions.
Owned by Irvine Ranch and Joshua Selig, KY

BOLT EPD's as of 2019-02-05 (Genomically Enhanced)

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IR Imperial D948
ASA # 3210738
Purebred SM
Homo Polled - Homo Black
- One of the hottest Purebred bulls available....Red or Black!
- Triple impact bull... Exceptional data set, outcross pedigree and great phenotype.
- Breed-leader for CE, MCE, STAY, MARB, API and TI.
- IMPERIAL is a must use sire to improve EPD$!
Owned by Irvine Ranch, TNT Simmentals, ND, Schnabel Ranch, SD, & Select Sires, OH

BOLT EPD's as of 2019-02-05 (Genomically Enhanced)

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IR Capitalist E041
ASA # 3344847
1/2 SM 1/2 AN
Homo Polled - Homo Black
- High Selling Bull in 2018 Irvine Ranch sale.
- Outcross Pedigree provides unlimited mating flexibility.
- Athletic build with excellent foot quality.
- From the proven and productive Geneva cow family.
- An Outlier for API$ and TI$, ranking in the top 10% of the breed in 10 traits.
Owned by Irvine Ranch, Fred Smith Company, NC, & JC Simmentals, MI

BOLT EPD's as of 2019-02-05 (Genomically Enhanced)

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To order semen, please contact
John Irvine  (785) 313-7473
johngirvine@sbcglobal.net

IRVINE RANCH
www.IrvineRanchGenetics.com
The Tribe has Spoken

US consumers are turning more to bloggers, social media, and online communities — or echo chambers called “tribes” — for information on health, a trend that presents a danger when consumers choose it over sound science.

Nearly 60% of consumers who engage in “clean” eating, for example, research their food online; more than a quarter of adults rely on social media for information on GMOs and which foods contain them; and consumers following lifestyles like paleo, Whole30, and plant-based often find their tribes online, according to NPD’s Eating Patterns in America.

Consumer Accept Meat Protein Hydrolysates

In a Danish consumer study, scientists found consumer acceptability and nutritional functionality of umami-tasting meat snacks enriched with meat protein hydrolysates (MPH). MPHs utilize byproducts of animal origin such as porcine rind, bovine heart and chicken collagen as sources of health-promoting peptides in food products.

The sensory test and instrumental analyses indicated that MPH-enriched sausages were acceptable to consumers and nutritionally functional. The findings suggest that this ingredient could be added to increase the nutritional density of a reference meat product without negatively affecting consumer acceptability.

Standard Set for Antibiotic Use in USA

A group of food companies, livestock producers, trade associations, and retailers has released comprehensive framework to strengthen oversight for use of antibiotics in food animals.

Members led by the Farm Foundation and The Pew Charitable Foundation include Tyson Foods, Hormel Foods, Smithfield Foods, Jennie-O Turkey Store, McDonald’s Corp., Walmart Inc., the National Pork Board, National Pork Producers Council, and National Turkey Federation.

6th Annual ASA Fall Focus 2019

Focus on You. Focus on Success. Focus on Profit.
August 23-27, 2019

Schedule of Events
August 23  Local Simmental seedstock operation tours, River Creek Farms, Irvine Ranch, Hofmann Simmentals, Caw Camp Ranch, Sunflower Genetics, and Rock Creek Ranch welcome visitors.
Herbbook Tutorial Session
Cattle display and dinner at the Stanley Stout Center in the evening. Dinner will have a nominal fee to support the Kansas Junior Simmental Association.
August 24  Day-long Educational Symposium at the Manhattan Conference Center Evening Dinner and Social hosted by the Kansas Simmental Association at the Flint Hills Discovery Center.
August 25-27  Interactive Committee and Board Meetings

Manhattan, Kansas

Kansas Simmental Association
www.kansas-simmental.com

SimGenetics
PROFIT THROUGH SCIENCE
American Simmental Association
www.simental.org
**ELEVATION**

**PUREBRED - HOMO BLK/HOMO PLD ELEVATE X TOP GRADE**

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**BLACK HAWK**

**3/4 SM 1/4 AN - HOMO BLK/HOMO PLD XAVIER X QUEST**

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**MAXIMIZE YOUR GENETIC PROGRESS**

**BLACK POWDER**

**5/8 SM 3/8 AN - HOMO BLK/HOMO PLD LOCK N LOAD X PIONEER**

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**COWBOY**

**1/2 SM 1/2 AN - HOMO BLK/HOMO PLD COWBOY CUT X NEWSLINE**

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**The best way to predict the future is to Create It**

866.589.1708

BEEF@STGEN.COM

www.STgen.com

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Judge Reinstates WOTUS

A federal judge in Washington state has reinstated the Waters of the US (WOTUS) rule as prescribed by the Obama administration, according to a report by the Capital Press. Western Washington District Judge John Coughenour, a Reagan appointee, said ultimately that the current administration erred when it suspended WOTUS without taking public comment on the merits of the rule.

Court Strikes Down Iowa Law

The US District Court for the Southern District of Iowa ruled as unconstitutional the Iowa law in effect since 2012 that made it illegal for activists to lie to gain access to livestock operations and shoot unauthorized video.

The law, dubbed “Ag-Gag” by activist groups, made it illegal for persons to obtain access to an agricultural production facility by false pretenses. The ruling was based on an analysis of the lawsuit as it pertains to the Constitutional right to free speech.

States Define Meat

Missouri was the first state to regulate the term “meat” on product labels, and now Nebraska, Tennessee, Virginia, and Wyoming also look to pass state measures to limit false marketing of alternative meats.

In addition, the Iowa Cattlemen’s Association has approved policy supporting the term “meat” to describe only those proteins derived from actual livestock raised by farmers and ranchers that are harvested for human consumption. The policy also supports oversight of alternative protein products by the USDA.
Quantum Leap was a champion bull at nearly every major show in 2014 and 2015! Now, his first progeny are the result of the eye-appeal, body-capacity, and structural soundness that he is dominantly transmitting!

Owners: Circle M Farms and Rocking P

ASA#: 2649657 • Homozygous Polled • Heterozygous Black
Sire: HTP/SVF Duracell • Dam: RP/MP Right to Love 015U

Quantum Leap’s famous dam at Hudson Pines Farm.
Quantum Leap’s famous maternal granddam – Valentine.

Sired Reserve Female at 2018 NAILE
Champion % Bull at 2018 NAILE
2017-18 PTP % Show Bull of the Year

CE BW WW YW MCE Milk $API $TI
EPD 13 1.7 76 108 6 20 127 74
% 15 20 35 35 25

Quantum Leap "LIT UP" THE 2017 AJSA NATIONAL CLASSIC!

Grand Champion Bred and Owned Percentage Cow Calf Pair – exhibited by Brooklyn Vurden.

Reserve Grand Champion Bred and Owned Percentage Female – exhibited by AK Phillips.

Grand Champion Bred and Owned Purebred Female – exhibited by AK Phillips.

3rd Overall Purebred Female – exhibited by Morgan Phillips.

11th Overall Purebred Female – exhibited by Kayden Tanner.

13th Overall Purebred Female – exhibited by Allie Jordan.

CMFM Time to Shine 99D, Champion at 2017 Simmental Sweepstakes Junior Show.

Semen - $50
5 ml sexed female - $200

CATTLEVisions
866-356-4565
Have You Checked Out Active Herd?

A FREE and EASY cattle management software.

Keep up-to-date informal records that can be directly imported into ASA’s database.

**Easy access:**
Import existing active animal groups or create new pasture groups and animal records.

**Stay current:**
Add updated performance data: actual birth, weaning, and yearling weights; calving ease scores; and import information directly into Herdbook for the most accurate EPD updates.

**Save time:**
Directly register cattle by moving informal pasture groups and records into an ASA job for data submission.

**Save money:**
Active Herd’s goal is similar to other cattle management software but free with ASA membership.

**Track Your Management Data:**
- Herd health treatments
- Breeding, pregnancy, calving
- Weaning and yearling weights and measurements
- Inventory and active pastures

**To access:**
Log into herdbook.org, go to “Herd Mgmt”, and select “Active Herd”.

Track Your Management Data:
- Herd health treatments
- Breeding, pregnancy, calving
- Weaning and yearling weights and measurements
- Inventory and active pastures
TSNSimmentals

Annual Sale

March 19th, 2019
Platte Livestock Market
Platte, SD
Selling 50 Registered
Simmental and SimAngus™
Bulls

TSNSimmentals
Tim, Sandy, and Sawyer
27005 360th Ave.
Platte, SD 57369
(605)337-3503
Tim's Cell– (605)207-0229
www.tsnsimmentals.com

*EPDs as of 2/7/2019

TSN Sure Fire F585
G A R Sure Fire x Shear Force
1/2 SM 1/2 AN
API: 170 TI: 87

TSN Nitghride F614
J Bar J Nightride x R&R Chamberlain
5/8 SM 3/8 AN
API: 141 TI: 79

TSN All-Around F607
WS All-Around x Executive Order
3/4 SM 1/4 AN
API: 161 TI: 86

TSN Sure Fire F173
J Bar J Nightride x TNT Tanker
1/2 SM 1/2 AN
API: 167 TI: 88

TSN Cowboy Cut F563
CCR Cowboy Cut x R&R Chamberlain
PB SM
API: 154 TI 86

TSN Sure Fire F373
G A R Sure Fire x Singletry
1/2 SM 1/2 AN
API: 163 TI: 91

TSN Protege S F372
TSN Protege x Bismarck
1/2 SM 1/2 AN
API: 140 TI: 76

TSN All-Around F593
WS All-Around x CCR Cowboy Cut
1/2 SM 1/2 AN
API: 142 TI: 81

TSN Sure Fire F618
G A R Sure Fire x Cowboy Cut
PB SM
API: 174 TI: 91

TSN All-Around F609
WS All-Around x Cowboy Cut
PB Simmental
API: 159 TI: 91
**Walton – Berry Graduate Student Support Grant**

**Purpose:**
To aid in the professional development, success, and experiences of young animal scientists at the regional and national level, by providing support for graduate study. The recipient shall mentor a Masters or Ph.D. student in Animal Science. The recipient mentor and student shall provide a report for publication in both *SimTalk* and the *Register*.

The Committee requests that faculty mentors apply for the grant to assist in planning and conducting research, as well as graduate student recruitment and travel. The Committee will award funds to the top two qualifying programs: $5,000 to the top pick and $3,000 to the second choice.

This grant is available to all agriculture disciplines; however, focus will be on the genetic improvement of livestock.

**Entry Deadline:** April 15, with announcement by May 15.

**To apply for this award:**
Faculty members must submit an application explaining the particular area of study and how these funds will be used. The application will include a description of the research, along with supporting documentation from the Department Administration.

This grant will be made payable as a gift to the research account of the selected faculty member.

Applications may be submitted electronically or in hard copy to the American Simmental Association  
One Genetics Way  
Bozeman, MT 59718  
or  
simmental@simmgene.com

**Entry Deadline:** April 15
LARGE SELECTION. GUARANTEED. AFFORDABLE.

SEVERAL 1/2 & 3/4 BROTHERS SELL!

NLC SIMMENTAL RANCH

MARCH 15, 2019
48TH ANNUAL SIMMENTAL & SIMANGUS™ BULL & HEIFER SALE AT THE RANCH, WESSINGTON, SD
150 YEARLING BULLS // SELECT GROUP OF FANCY REPLACEMENT HEIFERS

This sale will be broadcast live on the Internet.

WWW.NLCRANCH.COM  3C CHRISTENSEN RANCH
Welcome to the cutting edge

Our new GGP lineup delivers amazing power to genomically enhance your EPDs.

Today, you can plan, select and manage young seedstock with the prediction accuracy of older bulls siring several calf crops. You can save years on your herd goals – for less than it costs to fill up with gas.

We not only make DNA testing easy. We make it profitable. From fast sampling of calf DNA to quick turn-around with new products that work in powerful synergy. From time-saving conveniences to a full range of innovations designed to help you take full advantage of beef genomics.

There are exciting new ways for us to work together to attain your goals with Simmental, SimAngus™, Simbrah and SimAngus HT cattle. And we would love to be your partner as you brand your legacy in the 21st Century. To learn more, contact ASA at (406) 587-4531 or visit www.simmental.org
Open Gate Ranch

39th Annual Bull Sale Tuesday, March 19, 2019
1:00 PM (MT) • Simms, MT • At Broken O Land and Livestock

FY314  3/4 SM  SIRE: HSR RED MAGNUM C708
SAPI +129.2  STI +67.3  WW +62.3

FD68   3/8 SM  SIRE: CLRS CONSTITUTION 311 C
SAPI +132.2  STI +79.6  WW +78.2

FA418  1/2 SM  SIRE: BROWN 3K STAKEHOLDER X7870
SAPI +146.1  STI +82.3  WW +78.3

FY306T 1/4 SM  SIRE: TJ DARKHORSE 452C
SAPI +135.7  STI +69.9  WW +59

FW825  1/2 SM  SIRE: OLF OTIS Y43
SAPI +116.1  STI +69.7  WW +75.2

FB748  1/2 SM  SIRE: TJ DARKHORSE 452C
SAPI +134.4  STI +69.5  WW +59.3

FW696  PB SM  SIRE: CDI MAVERICK 335B
SAPI +145.5  STI +76.9  WW +76.7

FC892  1/2 SM  SIRE: HOOK'S BALTIC 17B
SAPI +131.6  STI +77.5  WW +77.6

FD513  3/8 SM  SIRE: CLRS CONSTITUTION 311 C
SAPI +132.6  STI +61  WW +60.7

BLACK • RED • SIMMENTAL • SIMANGUS™
90 Yearling and Fall Born BEEF Bulls Sell

OPEN GATE RANCH

The Mike and Kim Richert Family
Rocky Mountain Front, Montana
406-467-2082
www.OpenGateRanch.com

Marty Ropp  406-581-7835
Rocky Forseth  406-590-7984
www.alliedgeneticresources.com

EPDs current 1/29/19.
SimTalk is an 8 1/8 x 10 7/8 inch publication produced by the Register, the official publication of the American Simmental Association. Published four times annually, SimTalk is a glossy, full-color publication with a circulation that targets commercial users of SimGenetics. Advertising in SimTalk provides a unique opportunity to brand and trademark your program to thousands of potential customers. If you are serious about communicating with the commercial beef business, consider an advertising presence in every one of our four annual issues.

### Space and four-color rates for SimTalk:

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### SimTalk Deadlines for Publication:

- **Early Fall 2019**: Sales Close - July 23, Ad Materials - Aug 1, Camera Ready - Aug 12, Mail Date - Aug 26
- **Late Fall 2019**: Sales Close - Sept 20, Ad Materials - Sept 27, Camera Ready - Oct 7, Mail Date - Oct 21
- **January 2020**: Sales Close - Dec 5, Ad Materials - Dec 13, Camera Ready - Dec 20, Mail Date - Jan 9

### ASA/SimTalk Membership Directory 2019 Deadlines for Publication:

- **May 1**
- **May 10**
- **May 23**
- **June 12**

### Send all ad materials to: register@simmgene.com or Fax: 406-587-9301

### Advertising Content

SimTalk and its staff assume no responsibility or obligation to verify the accuracy and truthfulness of advertising copy submitted to SimTalk. However, SimTalk reserves the right to reject any advertising copy or photo which SimTalk deems unsuitable for publication for any reason, including copy or photographs which are false or misleading. SimTalk assumes no responsibility for the accuracy and truthfulness of submitted print ready ads. Advertisers shall indemnify and hold harmless SimTalk for any claims concerning advertising content as submitted. Advertising containing pedigrees or statements regarding performance must conform to records kept by the American Simmental Association. Copy deviating from official records may be changed as necessary without advertiser consent.

### Editorial Policy

Opinions expressed are the writers’ and not necessarily those of SimTalk. Photographs are welcome, but no responsibility is assumed for material while in transit or while in the office.

**ASA PUBLICATION, INC**
One Genetics Way
Bozeman, Montana 59718
406-587-2778 • Fax 406-587-9301
register@simmgene.com
THANK You

to our loyal customers across the United States for making the 2019 Bred for Balance Sale a huge success.

101 Bulls averaged $5,432
33 Breds averaged $3,339
4 Opens averaged $5,438
138 TOTAL LOTS AVERAGED $4,932

3/4 SM ASA# 3399294
Purchased for $12,500 by ABS Global, Inc., Madison, WI.

PB SM ASA# 3403323
Purchased for $26,000 by Tekrony Brothers, Clear Lake, SD.

PB SM ASA# 3399313
Purchased for $13,500 by Southern Cattle Company, Marianna, FL.

PB SM ASA# 3403352
Purchased for $46,000 by J/C Simmentals, Clare, MI, ABS Global, Inc., Madison, WI, All Beef, LLC, Normal, IL.

PB SM ASA# 3399256
Purchased for $15,000 by Mike Bielenberg, Ames, IA.

Over 30 bulls reserved for private treaty sales. Bulls will be semen checked, genomically enhanced, and, as always, bred for balanced traits to elevate your operation. Bulls are available first come, first serve - contact us today.
MARCH

1 Diamond Bar S Sale — Great Falls, MT
2 Eichacker Simmentals’ Annual Bull Sale — Salem, SD (pg. 64)
3 Cason’s Pride and Joy Bull Sale — Russell, IA
4 Hicks Cattle Company’s Annual Production Sale — Covington, IN
5 Kentucky Beef Expo Sale — Louisville, KY
6 KSU’s Annual Legacy Sale — Manhattan, KS
7 Mason Angus/SimAngus™ Sale — Broken Bow, NE
8 Powerline Genetics’ High-Altitude Bull Sale — Castle Dale, UT
9 Trinity Farms’ Generations of Excellence Sale — Ellensburg, WA (pg. 60)
10 Walsh Simmental Bull Sale — Hubbard, NE
11 Gateway Genetics’ Versatility + Bull Sale — Pierce, NE
12 Gold Bullion Group’s Annual Sale — Wamego, KS
13 March Madness Online Sale — www.dponlinesales.com
14 Rincker Simmentals’ Sweet 16 Online Bull Sale — www.rincker.com
15 Bonchuk Farms’ Annual Sale — Virden, MB
16 Dikeman and Huninghake’s Simmental and Angus Bull Sale — Wamego, KS
17 Doll Simmental Ranch’s Annual Production Sale — Mandan, ND
18 Open 8 Genetics Sale — Charlo, MT
19 61st Tifton Bull Test Sale — Irwinville, GA
20 Klein Ranch’s Heart of the Herd Sale — Atwood, KS
21 Bieber Red Angus Sale — Leola, SD
22 Brink Simmentals’ Private Treaty Bull Sale — Elkader, IA
23 Keller Broken Heart Ranch’s Annual Production Sale — Mandan, ND (pg. 61)
24 17th Annual Carcass Performance Partners Bull Sale — Luededale, MS
25 Bulls of the Prairie — Oakley, KS (pg. 81)
26 Great Lakes Beef Connection Bull Sale — Clare, MI (pg. 79)
27 I-29 Bull Run Simmental/Angus/Hereford Production Sale — Sioux Falls, SD
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2. CK Bar Ranch Bull Sale — Saint Onge, SD (pg. 88)
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4. 16th Annual ‘Pick of the Pen’ Bull Sale — Blacksburg, VA (pg. 83)
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7. The Gathering at Shoal Creek — Excelsior Springs, MO (pg. 72)
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9. X/L Ranch Sale — Powell, WY

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1. Nelson Simmental and SimAngus™ Bull Sale — Glasgow, MT
2. PLG/Seward Cattle Co. PAP Tested Bull Sale — Burnt Fork, WY
3. Gettysburg Stars and Stripes Sale — Gettysburg, PA
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5. Timberland Cattle’s Spring Female Sale — Vernon, AL
6. Banners and Beyond — Seward, NE
7. 25th Annual BHR’s Designer’s Classic Sale — Granbury, TX
8. 5th Annual Spring Turnout Sale — Seward, NE

**JUNE**

11-15. North Central Regional Classic — West Fargo, ND
19-22. Eastern Regional Classic — Lewisburg, WV
19-22. South Central Regional Classic — Stillwater, OK
26-29. AJSA Western Regional Classic — Logan, UT

**JULY**

21-28. AJSA National Classic — Louisville, KY

**SEPTEMBER**

7. NC Fall Harvest Sale — Union Grove, NC
15. Illini Elite Sale — Shelbyville, IL
18. Gonsalves Ranch Bulls Eye Breeders Angus & SimAngus™ Bull Sale — Modesto, CA
21. Family Matters Sale — Auburn, KY
23. LRU Simmental’s Genetic Harvest Sale — Janesville, WI
26. Beef Solutions Bull Sale — Ione, CA
28. 16th Annual Head of the Class Sale — Louisburg, KS
28. Head of the Class Sale — Louisburg, KS

**OCTOBER**

5. Belles of the Bluegrass — Campbellsville, KY
5. Buckeye’s Finest Sale — Zanesville, OH
6. Field of Dreams Production Sale — Hope, IN, September Cal.
6. Wisconsin Simmental’s Midwest Fall Roundup — Lancaster, WI
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18. Buckles and Banners Sale — West Point, IA
19. Midwest Made Sale, Prairie City, IA
19. MN Beef Expo – White Satin On Ice and All Breeds Sale — Minneapolis, MN
22. Koz-E Acres and Wilmes Farms’ Fall Harvest Sale — Le Sueur, MN
26. 7P Ranch’s 44th Annual Production Sale — Tyler, TX
26. Fred Smith Company Ranch’s Extra Effort Sale — Clayton, NC
DEFINING THE Cutting Edge

Hook's Encore 65E

ASA 3237375 PB SM

Hook's Beacon 56D x MR NLCEntrepreneur 1227

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GW Major More 390E

ASA 3242875 S 8 SM 1/4 AN 198 80

GW Movin On 183C x GW Predestined 701T

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Camp Campbell 737

ASA 3319012 PB SM

Hook's Baltic 17B x S4ND Ranch Hand

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TJ Teardrop 783F

ASA 3499774 3 1/4 SM 1/4 AN

TJ Main Event 503B x Dikemans Sure Bet

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https://www.sdsstate.edu/agriculture-food-environmental-sciences/animal-science/sdsu-annual-bull-sale

Background photo courtesy of Kendra Davis

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250 Bred Heifers and 50 Bred Cows
Available private treaty this Fall.