Global leader in sexed semen technology.

Offers both conventional and sexed semen on elite industry leading sires.

Ongoing research to improve and refine the use of sexed semen to help add profit to your bottom line.

Nationwide salesforce that is experienced in A.I. and synchronization.

Ongoing research into important beef topics such as feed efficiency and genomics.

Your best source for tropically adapted breeds in the U.S.

Leader in Global Sustainability.

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Why STgenetics®?

- Global leader in sexed semen technology.
- Offers both conventional and sexed semen on elite industry leading sires.
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- Ongoing research into important beef topics such as feed efficiency and genomics.
- Your best source for tropically adapted breeds in the U.S.
- Leader in Global Sustainability.

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**Sire Breeds**

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**Educational Topics**

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Shipping Updates

**Next Generation Dry Shipper**

To make it as convenient and cost effective as possible to get our product into your hands, we are always searching for improvements in the industry. We are pleased to present a solution we have found that is highly reliable and more economical to ship.

Recently, we discovered a small shipping tank being used in Brazil to transport semen that combines insulation developed for the space shuttle with 100% organic filler material. After conducting extensive tests using the tank, we have found it to be very reliable. With having the tank housed in a cardboard box, it saves the special handling fee that is normally assessed with the mushroom style tank protectors. Since these new tanks reduce our shipping costs, we are proudly passing those savings to you!

**New Reduced Shipping Rates**

- **$500-$999 Orders**: half the shipping cost
- **$1,000+ Orders**: free shipping

**How Can I Order Semen?**

Take advantage of the savings by ordering beef semen online or through our Beef Customer Service Division:

- Order Online at STgen.com
- Call your local representative
- Call toll free: 866-589-1708
- Email Beef@STgen.com
Beef Customer Service

Regional Managers

1. John Jackson
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   Cell: 406-672-5889
   jjackson@stgen.com

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   Cell: 605-695-1459
   gfeikema@stgen.com

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403-315-3651
U2ranch@xplornet.com
Our experienced Beef Sales and Field Support team processes direct sales orders, answers questions and provides support to meet your needs.

**Beef Sales and Field Support**

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<th>Name</th>
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<tr>
<td>Julie Birkhead</td>
<td>Office Manager</td>
<td>866-492-3331</td>
<td><a href="mailto:jbirkhead@stgen.com">jbirkhead@stgen.com</a></td>
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<tr>
<td>Shelby Meyer</td>
<td>Support Specialist</td>
<td>866-589-1708</td>
<td><a href="mailto:smeyer@stgen.com">smeyer@stgen.com</a></td>
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<tr>
<td>Emily Hermes</td>
<td>Support Specialist</td>
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<td><a href="mailto:emily.hermes@stgen.com">emily.hermes@stgen.com</a></td>
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**ST Genetics® CALL CENTER**

Can also assist with:

- ✔ A.I. Certificates
- ✔ Locating a Local Sales Person

To order semen or certificates call: 866-589-1708  
beef@stgen.com
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- **Amanda Engle**, Phil Campbell 256-458-9311

### Arizona
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- **Matt Herrington**, Safford 928-322-5841

### Arkansas
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- **Gaylon Miller**, Fort Scott 719-429-6686

### California
- **Jason Gagnon**, Nicasio 559-723-6362
- **David Holden**, Oroville 530-736-0727

### Colorado
- **Donald Cox**, Cheyenne 307-630-0400
- **Cody Johnson**, Holly 970-630-1316

### Florida
- **William Roland**, Newberry 352-258-6482

### Georgia
- **Wayne Edward Ansley**, Cornelia 706-499-3869
- **Kyle Knight**, Sylvania 912-690-5097

### Idaho
- **Phil Mamer**, Caldwell 208-454-3790
- **Seth Christensen**, Weston 208-589-9988

### Illinois
- **Ryan Washburn**, Martinsville 618-319-0358
- **John Kirchner**, Leaf River 815-440-0682

### Indiana
- **Trent Gable**, North Manchester 260-610-6004
- **Ty McGuire**, Eaton 937-533-3251

### Iowa
- **Kirby Goettsch**, Holstein 712-210-4685
- **Kate Marriot**, Blanchard 712-370-4651
- **Steven Farnsworth**, Downing 660-216-3140

### Louisiana
- **Mark Lejeune**, Elton 337-526-3520
- **J&L Cattle Services**, Rayne 337-945-3234

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- **Michelle & Jeremy Kosal**, Deckerville 810-625-1540

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- **Aric Leuthold**, Ellsworth 507-227-6827

### Mississippi
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- **Mike Howell**, Baldwyn 662-871-8468

### Missouri
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- **Travis McConnaughy**, Wasola 417-989-0486

### Montana
- **LJ Olson**, Grass Range 406-698-7051
- **Rod Wipperling**, Baker 406-978-2685

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<td>Cara Ayres, Rogue River</td>
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<td>Ryan Metcalf, Waxahachie</td>
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<td>Paul Fowler, Gladewater</td>
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<td>Phillip Marsh, Gainesville</td>
<td>940-284-5950</td>
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<td>Seth Christensen, Weston</td>
<td>208-589-9988</td>
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Recently, the decision was made to process all semen on new Beef sires in 1/4 cc straws, both conventional and sexed.

Since sexed semen is processed in 1/4 cc straws and our customers are becoming more comfortable with the use of 1/4 cc straws it seemed like a natural transition.

Suggestions for Using 1/4 cc Straws
- 1/4 cc straws are more sensitive to thermal insult. Make sure and use tweezers and be careful to not pull semen canes above the neck of the tank. If not handled correctly, it can result in a decline in conception rate due to heat or cold shock.
- Use a 1/4 cc gun or a Universal Gun that is capable of handling 1/4 and 1/2 cc straws.
- It is a common misconception that there is less semen in a 1/4cc straw since there is less volume in the straw. The fact is the volume of extender in the straw is adjusted based on 1/4 or 1/2 cc production but the semen concentration remains the same.

For any questions regarding the use of 1/4 cc straws or to order your own gun, contact your local ST representative!
Declared by many as the pick of the record setting flush, Raindance’s first progeny have captured the attention of the Angus world and have put him on the fast track to stardom. They are stunners – extra-long, deep-bodied and stout-rumped with all the power, performance and presence you can put in one package."

• Declared by many as the pick of the record setting flush, Raindance combines the outcross maternal sire Charlo with the breed icon Blackcap May 4136.

EPDs as of 12/10/2018

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**ANGUS Sires**

### EXTENSION

- **Tattoo:** 6856  
- **Born:** 1/6/2016  
- **BW:** 83 lbs  
- **WW:** 950 lbs  
- **YW:** 1430 lbs  
- **YSC:** 36.3 cm  
- **YF:** 5.8  

- SAV Extension is a paternal brother to SAV Elation, the 2018 record seller at Schaff’s and a son of the great SAV Blackcap May 4136, proclaimed by many as the model Angus cow and dam of many famous A.I. sires.  
- Extension was the top selling and featured XXP son from the 2017 SAV sale, and his first progeny at Ingram Angus are impressive to say the least.

- **From:** Schaff Angus Valley, ND, and Ingram Angus, TN

### TERRITORY

- **Tattoo:** 7225  
- **Born:** 2/28/2017  
- **BW:** 82 lbs  
- **WW:** 1075 lbs  
- **YW:** 1750 lbs  
- **YSC:** 38.5 cm  
- **YF:** 5.8  

- Territory is the featured lot 1 from the 2018 SAV sale indicated by Kelly Schaff as the greatest Resource son ever produced. He will be used heavily at SAV to carry forth the Resource lineage in the Schaff program.
- His Density dam has been a favorite at SAV since a calf and is now working in their ET program. She is especially strong for foot and udder quality and has a 104 weaning ratio on her first three calves. His grandam is the dam of SAV Thunderbird.

- **From:** Schaff Angus Valley, ND; JP Farms, IL; and ALS Angus, IL

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### EPDs as of 12/10/2018

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### EPDs as of 12/10/2018

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Exclusive was one of the first 316 sons to sell and Musgrave’s recently bought him back to use heavily in their own herd. They have identified him as one of the preeminent 316 sons in the breed.

His Foundation x 1961 dam has 2 at 104 for WW and 2 at 109 for YW. The maternal power in the Musgrave herd can be counted on to deliver fleshing ability, fertility and performance. The maternal power in the Musgrave herd can be counted on to deliver fleshing ability, fertility and performance.

From: Musgrave Angus, IL, and TD Angus at Rishel Ranch, NE

**EPDs as of 12/10/2018**

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<td><strong>ACC</strong></td>
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It’s a hard combination to find: attractive phenotype, great feet and structure, heavy muscled—deep sided—long bodied—square made, strong maternal characteristics, no holes versatile pedigree, quiet disposition, big on scrotal, smooth hair coat, and a fault-free EPD profile with high carcass merit. Once you find all of these traits in a sire, you have what everyone is in search of: **Exclusive**.

**Tyler Musgrave**
Musgrave Angus
Griggsville, IL

**ANGUS**
**ANGUS Sires**

### UNCONTESTED

**Tattoo:** 6209  
**Born:** 2/9/2016  
**BW:** 80 lbs  
**WW:** 833 lbs  
**YW:** 1394 lbs  
**YSC:** 37.0 cm  
**YF:** 5.8

- The first progeny from Uncontested are setting the bar high for performance cattle in the right package. Cory Poser reports several of the standout calves in his 2018 calf crop are sired by Uncontested.
- With his incredible record including a 120 WW ratio and 113 YW ratio plus 127 and 115 IMF and ribeye ratios, Uncontested is a great option for multi-trait improvement in each mating.

- **A A R Ten X 7008 S A**  
- **S A V Ten Speed 3022**  
- **S A V Madame Pride 1134**  
- **S A V Resource 1441**  
- **C BAR Forever Lady 405**  
- **C BAR Forever Lady 0110**

From: C BAR Angus, MT,  
and Hilltop Angus Ranch, MT

### BLUE SKY

**Tattoo:** 411  
**Born:** 3/16/2017  
**BW:** 82 lbs  
**WW:** 832 lbs  
**YW:** 1410 lbs  
**YSC:** 36.5 cm  
**YF:** 5.8

- Blue Sky is the top selling bull from the 2018 Bobcat Sale that they are using to carry on the legacy of Big Sky. He wraps together an EPD profile to gain genetic ground with a huge top and hip that made him a Denver yards highlight.
- Study his rankings for Heifer Pregnancy, Docility and CEM, all traits that will be weighted in the new version of the $Weaning index.

- **Connealy Earnan 076E**  
- **Musgrave Big Sky**  
- **SAV Primrose 7861**  
- **EXAR Denver 2002B**  
- **Bobcat Lass 411**  
- **Bobcat Lass 601**

From: Bobcat Angus, MT

---

**Multi-Trait Excellence**

*EPDs as of 12/10/2018*
• Treasure has passed every test and now displays over 700 progeny records for birth weight. His abilities as a proven heifer bull in tandem with elite growth and carcass quality have been solidified in some of the breed’s toughest contemporary groups.

• Treasure sired the top selling bull in Connealy’s 2018 Spring Sale and is a consistent sire of daughters that are feminine and broody with exceptional foot quality.

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<td>10</td>
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EPDs as of 12/10/2018

PAP: 38 at 18 mos.

From: Rutherford Ranches, TX
**ANGUS Sires**

### Homestead

- Tattoo: 6030
- Born: 2/20/2016
- BW: 74 lbs
- WW: 925 lbs
- YW: 1640 lbs
- YSC: 39.5 cm
- YF: 6.1

**EPDs as of 12/10/2018**

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<th>Carcass</th>
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<tr>
<td>ACC</td>
<td>.51</td>
<td>.76</td>
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**From:** Ellingson Angus, ND

- Homestead was the crowd favorite and record selling bull at Ellingson’s 2017 sale, representing a much needed opportunity to outcross while improving function and longevity traits.
- The Homestead sired calves at Ellingson’s are excellent with breed improving structure and style in a growthy, robust package.

**Tattoo: 6030**

**Son:** Ellingson Homestead 8202

### Express

- Tattoo: 7211
- Born: 3/27/2017
- BW: 78 lbs
- WW: 755 lbs
- YW: 1390 lbs
- YSC: 39.0 cm
- YF: 6.5

**EPDs as of 12/10/2018**

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<th>Production</th>
<th>Maternal</th>
<th>Carcass</th>
<th>$ Value</th>
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<td>ACC</td>
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**From:** Conley Cattle, OK, and the Express Group

- Express is the premier young show sire in the Angus breed and standout of the 2018 Denver pens that garnered a significant fan base during his display and has amassed an impressive showing record.
- Outcross to First Class and other popular pedigrees, Express provides exceptional mating flexibility with no compromises in phenotype.

**Tattoo: 7211**

**Son:** Ellingson Homestead 6030

[Image of Homestead]

**Silveiras Watchout 0514**

**Sma Watchout 482**

**DPL Sandy 3040**

**Dam:** DPL Sandy 3040

**From:** Conley Cattle, OK, and the Express Group

**EPDs as of 12/10/2018**

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<td>ACC</td>
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<td>.45</td>
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**%**
Surveillance

As the premier outcross show sire available in the Angus breed, Surveillance can be used on daughters of First Class, Style, Lutton, Primo and many others.

Alan Miller says Surveillance is one of the top phenotype bulls ever produced at Prairie View Farms and his list of major show winners continues to grow.

EPDs as of 12/10/2018

<table>
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<td>%</td>
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</table>

Tattoo: 4129
Born: 4/12/2014
BW: 81 lbs
WW: 775 lbs
YW: 1312 lbs
YSC: 36.5 cm
YF: 6.1

From: Prairie View Farms, IL

Daughter: PVF Missie 6311
Daughter: FCF Blackbird 658

Daughter: PVF Ellen 9100

From: Prairie View Farms, IL
**ANGUS Sires**

**AAA 18250419**

**RELOAD**

SITZ Reload 411C

- Tattoo: 411C
- Born: 2/4/2015
- BW: 84 lbs
- WW: 720 lbs
- YW: 1256 lbs
- YSC: 38.9 cm
- YF: 5.7

- **Rito 707 of Ideal 3407 7075**
- **S A V Resource 1441**
- **S A V Blackcap May 4136**
- **Connealy Thunder**
- **Sitz Forever Lady 612T**
- **Sitz Forever Lady 63M**

**From:** Sitz Angus Farm, MT, and Gartner-Denowh Angus Ranch, MT

**EPDs as of 12/10/2018**

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**Reload is creating quite a stir in 2018 with his first set of yearling progeny impressing breeders and topping sales.**

**Reload is a maternal brother to Sitz Logic with a strong maternal pedigree. Use him to improve feet, add fleshing ability and conserve mature stature and weight.**

**AAA 18869400**

**MATERNAL MADE**

Connealy Maternal Made

- Tattoo: 7416
- Born: 1/24/2017
- BW: 88 lbs
- WW: 775 lbs
- YW: 1290 lbs
- YSC: 37.0 cm
- YF: 5.8

- **Connealy Confidence Plus**
- **Connealy Niobrara 5451**
- **Britha of Conanga 167**
- **GDAR Game Day 449**
- **Ebony Lilly of Conanga 167T**
- **Ebony Ena of Conanga 1221**

**From:** Connealy Angus, NE

**EPDs as of 12/10/2018**

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- **Maternal Made is the phenotypic standout and highly favored bull from the 2018 Connealy Spring Bull Sale.**
- **True to his namesake, the dam of Maternal Made is an incredible specimen that defines greatness in both her body type and production record. She records 5 at 106 for WW and 5 at 109 for YW.**

**Maternal Granddam SAV Blackcap May 4136**

**Dam: Ebony Lilly of Conanga 167T**
Summitt is a unique sire that combines two of the most prolific and well-known cows in the Angus breed, SAV Blackcap May 4136 and Coleman Donna 714!

He was the high selling bull in the ZWT Ranch sale and the selection of Coleman Angus to incorporate SAV Renown with the great Donna lineage. Summitt is dense bodied and masculine headed with an expansive rib cage and added muscle.

As one of our top sellers in 2018, Powerpoint has solidified his place as a heifer safe sire with extra substance and capacity demanded for rugged country.

Some of the most respected stockmen are tapping into this marbling specialist for his outcross calving ease with no sacrifices in performance and consistent visual appeal to the calves.
Terminal Indices

Terminal indices combine post-weaning and carcass EPDs into one value, allowing for simultaneous multi-trait selection expressed in dollars per head.

The Angus $Beef index includes these EPDs: Post-weaning gain (YW-WW), DMI, CW, MARB, RE and FAT.

Use indices just like EPDs for comparing the expected difference in progeny between two animals.

Angus Example

Sire A $Beef = $190.00
Sire B $Beef = $150.00

Calves from Sire A should be worth, on average $40 per head more than calves from Sire B for feedlot and carcass value.

Input prices and assumptions for the Angus $Beef formula:

Feedlot Assumptions
- Time on feed: 170 Days
- Ration cost: $240 per dry ton
- Fed market: $131 per cwt. live

Carcass Assumptions
- Quality Components
  - Prime premium (above Choice): $15.00
  - CAB premium (above Choice): $4.00
  - Choice-Select spread: $11.00
  - Standard discount: -$25.00

- Yield Components
  - YG 1 premium: $3.50
  - YG 2 premium: $1.65
  - YG 3 base: $0.00
  - YG 4 & 5 discount: -$12.00
  - Avg. carcass wt., lb.: 861
  - Heavyweight discount: -$23.00

St Genetics Top 10 for $Beef

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</table>
• From one of the greatest flushes produced at Stevenson’s, Declaration is a remarkable outlier for his unique combination of calving ease, growth and dollar values.

• A proven cow family solidifies Declaration with his donor dam having 2 at 117 WR, 1 at 122 YR, 2 at 117 IMF and 2 at 122 RE. His second and third dams have 5 at 110 and 9 at 107 WR respectively.

Jindra Acclaim
- Jindra Blackbird Lassy 1111
- S A V Thunderbird 9061
- RL 9061 Birdie 3102
- RL 0145 Image 102

From: Stevenson Angus Ranch, MT

Top 1% $W and $B

• Reliant is a big time sire in the making that offers across-the-board $Value enhancement. He brings all the extras like top 1% DOC and top 25% SC with elite genomic predictions for the entire suite of growth and carcass traits.

• Use his unique bottom side pedigree to infuse a different twist to your matings. Reliant is being sampled in the GAR program.

Connealy In Sure 8524
- Chair Rock 5050 GAR 8086
- B/R Destination 727-928
- GAR Destination N244
- GAR Predestined 3279

From: Gardiner Angus Ranch, KS

Index Standout
Resolution posted incredible performance and ratios at SydGen that solidify his very unique outcross genetic profile. If you like to sort bulls on genomic scores, have a look at Resolve.

He is a big hipped, long topped sire with outstanding foot quality and a super quiet disposition. Semen fertility is outstanding on this young sire who is sampled in several prominent herds.

Sunbeam is the ray of light being used at GAR for his big time scan data including a 153 IMF ratio (10.1% actual IMF), proven cow family and elite genetic predictions.

His proven donor dam is now working in the Maplecrest and Hillhouse programs and had 27 progeny scans when Sunbeam sold in 2018.
• If you are looking for a uniquely bred high genomic sire that checks all the boxes, Black Onyx is your bull. He is the only Black Granite son in the breed with his tandem of calving ease and growth.

• Out of a full sister to Rampage, Black Onyx has proven performance genetics stacked throughout his elite pedigree that propel him to top 1% for $W and $B.

Unrivaled Performance

• His first calf crop is substantiating Ramp Up as a true performance outlier. The calves are big outlined, thick topped and eye appealing. Several sons are already slated sale features for the 2019 High Point Genetics sale in Iowa.

• With $W and $B well into the top 1% of the population, Ramp Up has a pedigree with proven performance and maternal greats including Weigh Up and GAR Ext 614.
## ANGUS Sires

### AAA 18004546

**WEIGH UP 294**

**Tattoo:** 294  
**Born:** 2/22/2014  
**BW:** 68 lbs  
**WW:** 799 lbs  
**YW:** 1457 lbs  
**YSC:** 38.5 cm  
**YF:** 6.3  

- **Sitz Upward 307R**  
- **Plattemere Weigh Up K360**  
- **Barbara of Plattemere 337**  
- **TC Romeo 917**  
- **J & J Miss Georgina 294**  
- **J & J Miss Georgina 720**

**From:** J & J Angus, SD; JK Angus, SD; and Badger Creek Cattle Co., KS

<table>
<thead>
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<th>EPDs as of 12/10/2018</th>
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<tbody>
<tr>
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<td>CED</td>
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<tr>
<td>EPD</td>
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<td>ACC</td>
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### AAA 18066037

**LEgend**

**Tattoo:** 5019  
**Born:** 1/7/2015  
**BW:** 77 lbs  
**WW:** 811 lbs  
**YW:** 1542 lbs  
**YSC:** 40.2 cm  
**YF:** 6.2  

- **A A R Ten X 7008 S A**  
- **Deer Valley Rita 0308**  
- **SydGen C C & 7**  
- **PF CC & 7 Henrietta Pride 1044**  
- **Sitz Henrietta Pride 643T**

**From:** Vintage Angus Ranch, CA, and Lisonbee Angus Ranch, UT

<table>
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<td>ACC</td>
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</tbody>
</table>

- **Legend is a balanced trait sire with impressive phenotype from a prominent cow family known for their performance and carcass quality.**  
- **Legend consistently sires upper-level quality and marketability with standout thickness, capacity and structure that makes the cattle unique.**

**Legend Son owned by Wilmore Angus**

---

**Impressive Weigh Up Son**
Genomics: The study of the entire DNA set of an animal.

What are SNPs?
There are areas of DNA that have been associated with economically important traits in beef cattle like birth weight and weaning weight. These areas commonly contain variations in genetic code called Single Nucleotide Polymorphisms (SNPs).

There may be hundreds or even thousands of SNPs associated with a single trait like weaning weight or marbling. When an animal is genomic tested, it is assigned a genetic value based on the combination of SNPs that are present.

Predicting with Genomics
Genomics are especially helpful in predicting the genetic merit of young or unproven animals. Depending on the trait, a genomic test can provide EPD accuracy in a young bull equivalent to the accuracy of having sired 8-33 calves (see below). Genomics are also valuable for difficult and/or expensive traits to measure like carcass traits in breeding stock and maternal traits in bulls.

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Source: Angus Genetics, Inc., Jan. 2018

EPDs vs Genomic Scores
It is important to remember that genomic scores are just one piece of information that is used to calculate EPDs, and the most accurate selection decisions can still be made using the EPD for a trait rather than the genomic score alone.

Angus genomic scores are available on our website at www.stgen.com, click Beef, and click Angus.
**Enterprise**

- Tattoo: 5213
- Born: 3/12/2015
- BW: 73 lbs
- WW: 721 lbs
- YW: 1435 lbs
- YSC: 36.0 cm
- YF: 5.9

**Connealy Capitalist 028**

- Prides Pita of Conanga 8821
- KMK Alliance 6595 I87
- LT Erica 0121

**Enterprise Son**

- Enterprise continues to be the “go to” heifer bull in the LT program because Brent Thiel knows the value of his maternal line..Capitalist, Alliance I87, Bando 9074 and Sitz Value.
- Enterprise is a perfect choice for commercial heifer programs where unassisted births, calf vigor and outstanding replacement heifers are a requirement.

**Concealy Consensus**

- Blinda of Conanga 004
- S A V Bismarck 5682
- Eura Cal of Conanga 56B

**Concealy Consensus Son**

- Concord has become synonymous with calving ease and calf vigor. He is a perfect choice for heifer projects.
- As the maternal brother to Black Granite, Concord is standout for moderating milk, mature weight and stature while maintaining ribeye in the top 10% of the breed.
**RESPONSE**

Tattoo: 405C  
Born: 2/7/2015  
BW: 85 lbs  
WW: 722 lbs  
YW: 1218 lbs  
YSC: 38.2 cm  
YF: 5.8

- **Response** is a powerful Resource son from the dam of Sitz Investment that will add muscle, forerib and base width.
- 2018 has been a breakout year for Response and he is seeing heavy use at Sitz, KG and Hilltop after the outstanding quality and marketability produced with Response’s first calf crop.

**S A V Resource 1441**  
**Sitz Upward 307R**  
**Sitz Ellunas Elite 656T**  
**Sitz Ellunas Elite 35M**

From: Sitz Angus Ranch, MT; KG Ranch, MT; and Hilltop Angus, MT

**PA Power Tool 9108**  
**Raven Powerball 53**  
**SITZ Logic Y46**  
**Sitz Pride 84C**  
**Sitz Pride 731a**

From: Sitz Angus Ranch, MT

**EPDs as of 12/10/2018**

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**THUNDERBALL**

Tattoo: 734E  
Born: 1/23/2017  
BW: 82 lbs  
WW: 740 lbs  
YW: 1321 lbs  
YSC: 38.0 cm  
YF: 5.9

- Thunderball was the top selling bull from the spring 2018 Sitz sale and is being used at Sitz’s for his potential as a true cowmaker capable of improving udders and creating long-lasting, productive females.
- He maintains top 10% yearling growth in a maternal package that conserves mature frame and weight with SC EPD in the top 1% of the breed.

**PA Power Tool 9108**  
**Raven Powerball 53**  
**SITZ Logic Y46**  
**Sitz Pride 84C**  
**Sitz Pride 731a**

From: Sitz Angus Ranch, MT

**EPDs as of 12/10/2018**

<table>
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</table>
**OZZIE**

- **Boyd New Day 8005**
- **GDAR Game Day 449**
  - **GDAR Miss Wix 474**
  - **Sitz Dash 10277**
- **Ox Bow Blackbird 1139**
  - **Ox Bow Blackbird 930**

**Tattoo:** 3233  
**YW:** 1411 lbs  
**DOB:** 1/27/2013  
**YSC:** 36.1 cm  
**BW:** 72 lbs  
**YW:** 6.0  
**WW:** 768 lbs  
**From:** Ox Bow Ranch, MT, and Koupal Angus, SD

- With 23 daughters in seven herds indexing 104, Ozzie will make those easy fleshing, hardworking cows that will excel in any environment and consistently sire excellent udder quality.
- He is a consistent sire of more visual muscle than expected at his level of CED and brings a unique combination of EPDs in the top 10% of the breed or better, including modest mature stature and weight.

**EPDs as of 12/10/2018**

<table>
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<tr>
<th>Production</th>
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<tr>
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</table>

**ELLENGSON ACCELERATE**

- **Koupal Juneau 797**
- **Koupal Advance 28**
  - **Koupal Ebonette 734**
  - **Ellingson Plateau 1155**
- **EA Emblynette 3361**
  - **EA Emblynette 0068**

**Tattoo:** 5264  
**YW:** 1443 lbs  
**DOB:** 3/21/2015  
**YSC:** 37.6 cm  
**BW:** 75 lbs  
**YW:** 5.7  
**WW:** 843 lbs  
**From:** Ellingson Angus, ND

- Study the balance of phenotype, unique pedigree and EPDs provided by Accelerate...he is the perfect bull for breeders seeking balanced trait excellence.
- One of the best for foot quality, Accelerate is deep heeled with near perfectly symmetrical toes. His first progeny commanded attention at Ellingson’s 2018 sale and we expect him to be a mainstay with the broody daughters he is producing.

**EPDs as of 12/10/2018**

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<thead>
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<tr>
<td>%</td>
<td>3 25 10 10 20 5 3</td>
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</table>

**STEADFAST**

- **Sinclair Fortunate Son**
- **McCumber Titanium 3127**
  - **Miss Wix 926 of McCumber**
  - **O C C Tremendous 619T**
- **Miss Wix 2003 of McCumber**
  - **Miss Wix 2022 HC McCumber**

**Tattoo:** 635  
**YW:** 1450 lbs  
**DOB:** 1/19/2016  
**YSC:** 37.0 cm  
**BW:** 79 lbs  
**YW:** 5.9  
**WW:** 816 lbs  
**From:** McCumber Angus, ND; Koupal Angus, SD; and Frederickson Angus, SD

- Steadfast is an outcross to most of the popular sires and may be exactly what you have been looking for to put some maternal power back in your cow herd.
- Steadfast progeny exhibit added rib shape and dimension with excellent feet and are currently indexing 98 for BW and 102 for WW.

**EPDs as of 12/10/2018**

<table>
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<tr>
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<td>15 25 25 10</td>
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</tbody>
</table>
**FOUNDATION**

Tattoo: 514  
Born: 2/19/2015  
BW: 92 lbs  
WW: 808 lbs  
YW: 1406 lbs  
YSC: 38.1 cm  
YF: 6.1  

- Foundation is a no doubt foot improver and Brent Thiel says: “The bull is a consistent favorite of visitors at LT Ranch, having a quiet disposition and a powerful stock bull look.”
- From a Spickler donor with generations of proven performance, Foundation is an outcross rancher bull rich in traits that aren’t measured on paper.

**Visiontopline Royal Stockman**  
**Vision Unanimous 1418**  
**Vision Edella 665**  
**S Chisum 6175**  
**S Lady Ann 8384**  
**S Lady Ann 6325**

From: Spickler Ranch South, ND, and Lindskov-Thiel Ranch, SD

**CAPSTONE**

Tattoo: 5374  
Born: 2/21/2015  
BW: 76 lbs  
WW: 714 lbs  
YW: 1349 lbs  
YSC: 38.1 cm  
YF: 5.8

- Capstone continues to be a calving ease and fertility standout at STgenetics having been used with success in several large heifer projects in 2017 and 2018.
- You cannot write a better maternal pedigree and Capstone now has several full sisters in production that Cory Poser feels are some of the best young females in his herd.

**Vision Unanimous 1418**  
**Connealy Capitalist 028**  
**Hilltop Shauna 176**  
**Prides Pita of Conanga 8821**  
**Sitz Rainmaker 11127**  
**Sitz Shauna 431**

From: Hilltop Angus Ranch, MT, and Carter Cattle Co., ID
**STORM**

- **MCC Daybreak**
- **Quaker Hill Rampage A036**
- **QHF Blackcap 6E2 ofV16 4355**
- **TC Total 410**
- **Maplecrest Eva 7010**
- **Maplecrest Eva 4108**

**Tattoo**: J5184  
**YW**: N/A  
**DOB**: 9/27/2015  
**YSC**: 36.8 cm  
**BW**: 58 lbs  
**YW**: 6.3  
**WW**: 676 lbs  
**From**: Gardiner Angus Ranch, KS, and Maplecrest Farms, OH

- Storm is a high marbling, elite genomic Rampage son that exceeds expectations for many economic traits and breeds true to his genomic scores.
- His proven dam is possibly his greatest asset bringing all of the performance and maternal goodness of TC Total.

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<tr>
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<td>15 5</td>
<td>3 10</td>
<td>10 10</td>
</tr>
</tbody>
</table>

**SexedULTRA**

AAA 18459815

**G A R Storm** 551AN01474

**PAP**: 36 at 18 mos.

**Drive**

- **G A R Progress**
- **G A R Big Eye 1770**
- **Connealy In Sure 8524**
- **Maplecrest Blackcap 3007**
- **Maplecrest Blackcap K9283**

**Tattoo**: J5012  
**YW**: 1322 lbs  
**DOB**: 1/4/2015  
**YSC**: 37.5 cm  
**BW**: 79 lbs  
**YW**: 5.7  
**WW**: 910 lbs  
**From**: Gardiner Angus Ranch, KS; Maplecrest Farms, OH; Hillhouse Angus, TX; and Big Timber Cattle Co., FL

- Drive is the perfect carcass-oriented mating choice for Rampage and Ten X descendants with his bold rib, sensible stature and excellent structure.
- With an 11% actual IMF and 17 sq. in. RE scan, Drive offers genomic and EPD traits in rare air with a unique GAR pedigree that includes Right Time and TC Total.

**EPDs as of 12/10/2018**

<table>
<thead>
<tr>
<th>Production</th>
<th>Maternal</th>
<th>Carcass</th>
<th>$ Value</th>
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**SexedULTRA**

AAA 18301470

**G A R Drive** 551AN01472

**PAP**: 42 at 18 mos.

**RAMPART**

- **Connealy Confidence 0100**
- **Elbanna of Conanga 1209**
- **Hoover Headliner J32**
- **Rubista of Conanga 2304**
- **Rubeen of Conanga 9944**

**Tattoo**: 5245  
**YW**: 1364 lbs  
**DOB**: 1/18/2015  
**YSC**: 36.5 cm  
**BW**: 69 lbs  
**YW**: 6.2  
**WW**: 770 lbs  
**From**: Connealy Angus Ranch, NE, and Koberstein Farms, CO

- Rampart sired one of the consistently favored and talked about sire groups in Connealy’s 2018 spring sale that included several high sellers and a stud bull.
- He excelled every time he was measured in his contemporary group of over 500 at birth and weaning, over 400 at yearling, and is an excellent choice for Final Answer and Capitalist daughters.

**EPDs as of 12/10/2018**

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**SexedULTRA**

AAA 18227118

**Connealy Rampart** 203AN01462

**PAP**: 40 at 18 mos.
• Cattlemaster was the lead bull in an impressive flush with incredible thickness and body mass that was substantiated by a 19.1 square inch ribeye scan.

• Cattlemaster’s productive dam records a weaning ratio of 107 on four calves and stems from four consecutive generations of elite Pathfinders.

Connealy Consensus

Connealy Consensus 7229
--- Blue Lilly of Conanga 16
S A V Net Worth 4200
S A V Emblynette 7545
--- S A V Emblynette 7260

From: Schaff Angus Valley, ND

• Apache is one of our favorites for calving ease with added physical quality. He is a perfect mating for Capitalist descendants and consistently injects a clean front, smooth shoulder and square hip.

• Apache has a bulletproof maternal stack and excellent semen quality characteristics with many reports of superior fertility.

Koupals B&B Identity

Musgrave Aviator
--- MCATL Forever Lady 1429-138
Musgrave Boulder
Musgrave Caroline 1304-189
--- MCATL Lady Caroline 189-1615

From: Musgrave Angus, IL, and Frankenreider Cattle Co., IL

• Apache Son

EPDs as of 12/10/2018

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**TOP CUT**

- **Sitz Upward 307R**
- **Bruns Uppercut 610**
  - Dakota Ann 565 BAF
  - Mohnen Brushpopper 295
- **Dakota Miss 669 Baf**
  - Dakota Miss 1785 Baf

**Tattoo:** 373  
**YW:** 1429 lbs  
**DOB:** 1/21/2013  
**YSC:** 37.5 cm  
**BW:** 80 lbs  
**YW:** 795 lbs  
**From:** Bruns Angus Farms, SD, and Hoover Angus, IA

- Top Cut continues to be a customer pleaser with prepotent foot quality and docility as two major strengths.
- If you are breeding for balanced trait cattle that avoid extremes in EPDs and body type, Top Cut is as solid as they come.

**EPDs as of 12/10/2018**

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**COMMONWEALTH**

- **Basin Payweight 006S**
- **Basin Payweight 1682**
  - 21AR O Lass 7017
  - Connealy Capitalist 028
- **Parisian of Conanga 3582**
  - Parsutta of Conanga 181

**Tattoo:** 5129  
**YW:** 1284 lbs  
**DOB:** 1/14/2015  
**YSC:** 35.8 cm  
**BW:** 69 lbs  
**YW:** 750 lbs  
**From:** Connealy Angus Ranch, NE; Way View Cattle Co., OH; Smith Angus Farm, GA; and Woodall Angus, KY

- Commonwealth is gaining steam as one of the fertility standouts in our lineup and a prepotency to sire dense bodied calves that have extra thickness of top and quarter in a sensible frame score.
- With over 200 calves, Commonwealth is a sure bet heifer bull with a balanced genetic profile and a pedigree stacked with respected cow makers.

**EPDs as of 12/10/2018**

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**CHARGED UP**

- **Rito 707 of Ideal 3407 7075**
- **SAV Recharge 3436**
  - SAV Blackcap May 4136
  - Connealy Final Product
- **Hilltops Miss Product 7K**
  - Hilltops Miss Upward 54B

**Tattoo:** 44T  
**YW:** 1430 lbs  
**DOB:** 2/6/2016  
**YSC:** 38.8 cm  
**BW:** 80 lbs  
**YW:** 907 lbs  
**From:** Hilltop Angus Farm, SD, and Weigel Angus Ranch, ND

- Charged Up embodies the meaning of power bull and ratioed 121 for WW and 118 for YW in his competitive group. When people see him, they want to use him.
- The Charged Up progeny are impressive from all aspects and currently have a 105 average weaning ratio in their respective herds.

**EPDs as of 12/10/2018**

<table>
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**ANGUS Sires**

AAA 17680548

551AN01475

Hilltops Charged Up 44T  
Hilltops Charged Up 44T  
Hilltops Charged Up 44T  
Hilltops Charged Up 44T

Hilltops Charged Up 44T  
Hilltops Charged Up 44T  
Hilltops Charged Up 44T  
Hilltops Charged Up 44T
• With over 400 calves, Dividend has solidified his place as a rock-solid heifer bull in the top 2% of the population for calving ease and low birth weight.

• As the top selling bull from the 2016 Sitz sale, Dividend is a deep bodied cowboy bull with all of the fundamentals for profitable cattle that pass the eye test.

Sitz Dividend 649C 203AN01456

Dividend

Barstow Cash

Barstow Queen W16

AAR Ten X 7008 SA

Sitz Barbaramere Nell 39a

Sitz Barbaramere Nell 75Y

Tattoo: 649C  YW: 1307 lbs
DOB: 2/1/2015  YSC: 39.5 cm
BW: 56 lbs  YF: 6.2
WW: 725 lbs

From: Sitz Angus Ranch, MT; KG Ranch, MT; Raymond & Sons Inc., OR; and Botts Angus Ranch, OR

EPDs as of 12/10/2018

Production Maternal Carcass $ Value

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SexedULTRA AAA 18086964

aaa 18086964

DIVEND

AAA 18610758

LONG SHOT

Barstow Cash

BSF Hot Lotto 1401

BSF Princess El Cap W2

HF Swagger 75W

HF Evening Tinge 179Y

HF Evening Tinge 55N

Tattoo: 71D  YW: 1415 lbs
DOB: 1/17/2016  YSC: 37.0 cm
BW: 81 lbs  YF: 5.7
WW: 781 lbs

From: Hamilton Farms, Alberta, CA, and Talkington Angus Ranch, ND

EPDs as of 12/10/2018

Production Maternal Carcass $ Value

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SexedULTRA AAA 18610758

aaa 18610758

LONG SHOT

AAA 18361918

PAY DIRT

Basin Payweight 006S

Basin Payweight 1682

21AR O Lass 7017

Apex Wide Track 545

Apexette Lucy 3021

Apexette Lucy 5001

Tattoo: 055  YW: 1444 lbs
DOB: 1/14/2015  YSC: 39.0 cm
BW: 76 lbs  YF: 6.3
WW: 801 lbs

From: Apex Angus, MT, and Wheeler Mountain Ranch, MT

EPDs as of 12/10/2018

Production Maternal Carcass $ Value

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SexedULTRA AAA 18361918

aaa 18361918

PAY DIRT

AAA 18361918

PAY DIRT

Apex Pay Dirt 055 203AN01453

Apex Pay Dirt 055 203AN01453

PAY DIRT

• Paydirt is a powerful 1682 son that blew the doors off for performance in a large contemporary group, with a weaning ratio of 120 and yearling ratio of 119 with conservative MW and MH projections.

• He is a big middled, wide based individual that is a standout for his sheer mass and offers a very unique maternal pedigree.

EPDs as of 12/10/2018

Production Maternal Carcass $ Value

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</table>

SexedULTRA AAA 18361918

aaa 18361918

PAY DIRT

AAA 18361918

PAY DIRT
Feed Efficiency
The “Must Have” Trait

Feed is the single biggest expense in any livestock operation. As we select for animals that are more efficient, meaning animals that are able to demonstrate gains equal to their contemporaries while consuming less feed, we are not only lowering production costs but also minimizing the environmental footprint of that animal. Our goal through feed efficiency testing is to identify animals that will add more bottom line profit to our customers while at the same time reduce the impact on the environment, which is beneficial to everyone.

What is Residual Feed Intake (RFI)?
RFI is the difference between actual intake and predicted intake based on the animal’s gain, body weight, and composition. Animals on test are expected to eat “x” amount of feed according to their initial weight and target gain. The more they deviate from their expected intake, the more efficient or inefficient they are.

What is Feed Efficiency (FE)?
FE is the amount of feed consumed as compared with the body weight gained, expressed as a ratio – lbs. of feed/lb. of gain.

Bull A
VID: 128
ADG: 4.58
RFI: 6.15

Bull B
VID: 49
ADG: 4.41
RFI: -6.68

Bull A and Bull B have similar Average Daily Gain; however, there was about nine pounds difference in daily Intake, making Bull B more profitable.
Feed Efficiency...
Pass it On

It’s The “Must Have” Trait

Identify your most feed efficient animals through testing at the GDC

Each animal will have complete individual feed intake measurements including:

- Feed Efficiency
- Average Daily Gain
- Carcass Ultrasound Evaluation
- Breeding Soundness Exams

Contact Us

About our next scheduled test

For more info

Gustavo Toro
Cell: (832) 331-6680
Office: (936) 870-3960 ext:1502
gtoro@STgen.com

www.GeneticDevelopmentCenter.com

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**RED ANGUS Sires**

**Herd Builder (HB)**

The Herdbuilder index is designed for producers who retain replacement heifers but also market additional animals on a quality-based grid.

Maternal traits like Stayability, Heifer Pregnancy and Calving Ease are considered as well as more terminal type traits such as Marbling, Yield Grade and growth.

**GridMaster (GM)**

The Gridmaster index is a terminal index designed to maximize the profitability of cattle sold on the rail.

Marbling, Yield Grade and Growth are the key components of this index.

---

**Wideload 78B**

intrigues me with his muscle and overall thickness. But his structural soundness and flawless foot design set him apart. He moves like a cat. His progeny are moderate and full red meat. We have used him successfully on heifers.

Ky Luddington
Luddington Cattle Co.

---

**Wideload’s popularity is sweeping the breed as one of the unique sires for body mass, substance and style. His semen quality is outstanding and he works well in both conventional and SexedULTRA 4M!**

**Use Wideload for broody, feminine replacement heifers that standout for fleshing ability, soundness and quiet demeanor.**

---

**Tattoo: 78B**

**Born: 2/20/2014**

**BW: 85 lbs**

**WW: 711 lbs**

**YW: 1201 lbs**

**YSC: 37.0 cm**

**YF: 5.8**

---

**Ubar High Capacity 224**

**SLGN Wideload 920W**

**Meado-West Persuasion**

**Neo-Sho Direct Ticket M517**

**Pelton Miss Jayla 0508S**

**Peltons Miss Cory 5037N**

**From: Pelton’s Red Angus, KS, and Luddington Cattle, OK**

---

**EPD as of 12/10/2018**

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<thead>
<tr>
<th>HB</th>
<th>GM</th>
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<th>BW</th>
<th>WW</th>
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Brave is as soggy, deep and wide as they come with incredible body mass that Craig Bieber compares to Rollin Deep.

He is an ET son of Bieber’s favorite Fusion daughter and his granddam, Basin Eldorene is now working in the 9 Mile program with 33 progeny to her credit.

Just Right defines “cow maker” to the highest degree with a pedigree built from broody, long lasting females. His big bodied dam has perfect feet, a tidy udder and an impressive production record.

Just Right came “just right” at 71 pounds and smoked his contemporaries at weaning with a 115 ratio. He is being used heavily in the Pieper program, and you can use him, too... He will move the maternal quality of your herd forward.
• Draft Pick is finding his place as a mainstream proven sire with an outstanding genetic script after his first calf crop entered into his portfolio. He is an excellent calving ease sire with lots of extras for maternal and carcass.

• From a true maternal matron, the dam of Draft Pick has an incredible record and body type that all of us desire in a cow herd.

C-T Red Quest 4010
C-T Blockana 2023
SLGN Yardmaster 125Y
Over Blush 4138
C-Bar Abigrace X13

From: Overmiller Red Angus, KS

Tattoo: 413D
Born: 1/19/2016
BW: 60 lbs
WW: 677 lbs
YW: 1232 lbs
YSC: 35.0 cm
YF: 5.8

• Dark cherry red, big bodied and easy keeping, Sir Loin is an excellent calving ease, cow maker option that works great for commercial and registered herds.

• Sir Loin offers one of the most highly proven pedigrees available in the Red Angus population. The cattle are proven calving ease with excellent maternal and carcass quality.

HXC Conquest 4405P
LSF Takeover 9943W
LSF Wideload R5014 U8061
Brown Paramount X7879
Brown Ms Paramount A7033
Brown Ms Mission STMT W7525

From: Bledsoe Bros., CO

Tattoo: 5122
Born: 4/3/2015
BW: 76 lbs
WW: 621 lbs
YW: 1340 lbs
YSC: 39.1 cm
YF: 5.8

PAP: 42 at 18 mos.
• Here is an opportunity to make multi-trait improvement in one generation from a bull with Exceptional genetics, pedigree, program and performance.

• Exceptional is a maternal brother to LSF Takeover and appropriately named with his hard-to-rival blend of traits including Marbling, HerdBuilder and GridMaster all in the upper percentiles of the breed.

  Dam: LSF Wideload R5014 U8061

  Tattoo: 5464C
  Born: 4/9/2015
  BW: 85 lbs
  WW: 678 lbs
  YW: 1344 lbs
  YSC: 36.6 cm
  YF: 6.0

• Up Front offers an outcross pedigree steeped with maternal and performance excellence. Use him for balanced, durable daughters with flawless udders.

• As the standout lot 1 in the 2016 Pieper spring bull sale, he was a tremendous representative of the physical quality and herd bull presence that has defined the Pieper program.

  Dam: LSF Wideload R5014 U8061

  Tattoo: 5464C
  Born: 4/9/2015
  BW: 85 lbs
  WW: 678 lbs
  YW: 1344 lbs
  YSC: 36.6 cm
  YF: 6.0
In surveys completed by Livestock Publications where producers are asked what traits are most important in a prospective sire, Calving Ease is always at the top of the list.

Here are a few things to remember about CALVING EASE:

- It is preferable to select for CED rather than Birth Weight.
- Heifers that calve unassisted are much more likely to breed back on time.
- Consider the accuracy when selecting a Calving Ease prospect. The higher the accuracy, the higher the confidence level in the EPDs.

Remember that with CE EPDs, the higher the number, the more calving ease the sire.

Calving ease is expressed as a percentage of unassisted births in heifers:

If Sire A has a calving ease EPD of +10 in heifers and Sire B has a calving ease EPD of +15, then you would expect 5% more of Sire B’s calves to come unassisted compared to Sire A.

### AVAILABLE CALVING EASE SIRES

#### Angus

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#### Red Angus

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#### Simmental

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#### Charolais

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<tbody>
<tr>
<td>551CH01502</td>
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Expect 5% more unassisted calves with Sire B.
Normally, the EPDs of animals from different breeds cannot be compared because most breed associations compute their EPDs in separate analyses, and each breed has a different base point. Thus, EPDs are generally only comparable within breed because of differences in the genetic base.

### Across Breed EPDs

#### Adjustment Factors to Compare Across Breed EPDs

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*Marbling score units: 4.00 = Sl00; 5.00 = Sm00

### Bridging the Gap

The U.S. Meat Animal Research Center (USMARC) has produced a table of factors since 1993 to adjust the EPDs of cattle so that the merit of individuals can be compared across breeds.

### Example

Combine the EPD of each bull with its across-breed adjustment factor from the table above to get the Across-Breed EPD.

Subtract the adjusted value of the second bull from the adjusted value of the first bull to determine the expected EPD difference of offspring when both are mated to cows of another breed.

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<th>Example</th>
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<td>Weaning Weight</td>
<td>+25.0 lbs</td>
<td>+70.0 lbs</td>
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<tr>
<td>Across-Breed WW Adjustment</td>
<td>+32.5 lbs</td>
<td>-18.2 lbs</td>
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<tr>
<td>Across-Breed EPD</td>
<td>25.0 + 32.5 = 57.5 lbs</td>
<td>70.0 - 18.2 = 51.8 lbs</td>
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<tr>
<td>Expected WW Mated to Angus</td>
<td>57.5 lbs - 51.8 lbs</td>
<td>5.7 lbs for Charolais</td>
</tr>
</tbody>
</table>
**Baldy Maternal Index (BMI$)**

The BMI$ is a maternally focused index that has significant weight on Sustained Cow Fertility. There is a slightly positive weighting on Weaning Weight, Mature Cow Weight and Milk. There is some negative emphasis on Dry Matter intake but with positive weighting on Carcass Weight. Marbling and Ribeye area are also positively weighted in the index. This index is geared to identify Hereford bulls that will be profitable when crossed with Angus cows.

**Brahman Influence Index (BII$)**

The BII$ is a maternally focused index based on a production system that uses Brahman X Hereford cross cows. The weighting of different traits in the index is similar to the BMI$. This index targets producers using Hereford bulls on Brahman influence cows.

**Certified Hereford Beef Index (CHB$)**

The CHB$ is a terminal index targeted for CHB after the finishing phase. It has significant weight on Carcass Weight to ensure profit on the rail. There is a positive weighting for Average Daily Gain along with a negative weighting on Dry Matter Intake. Although Marbling is weighted positively in the index, a positive weighting for Ribeye Area and a negative weighting for Back Fat are a great priority in this index to allow for optimum end-product merit.

---

**Homeland**

- **Tattoo:** C34
- **Born:** 1/29/2015
- **BW:** 70 lbs
- **WW:** 672 lbs
- **YW:** 1140 lbs
- **YSC:** 35.0 cm
- **YF:** 6.0

- Homeland is a popular homozygous polled member of the STgenetics roster and one of the best all-around sires in the breed for consistently providing multi-trait improvement with a body type breeders favor.

- He compliments most breeding objectives with his dark red, short marked color and red eyes. His Proficient dam is a model cow in the KCF program and his grandmother is a preeminent flush sister to Encore’s dam.

---

**Cowman’s Kind**

40

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<th>HEREFORD Sires</th>
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<td>KCF Bennett Homeland C34</td>
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- **SHF Wonder M326 W18 ET**
- **NJW 73S W18 Hometown 10Y ET**
- **EFBEEF SCHU-LAR Proficient N093**
- **KCF Miss Proficient A47**
- **KCF Miss Revolution Y102 ET**

From: Knoll Crest Farm, VA

---

**EPDs as of 12/10/2018**

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<th>WW</th>
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**MANDATE**

**Tattoo:** 66589  
**Born:** 8/31/2016  
**BW:** 73 lbs  
**WW:** 606 lbs  
**YW:** 1115 lbs  
**YSC:** 41.0 cm  
**YF:** 6.0

- Sam Shaw says Mandate is “the best bull we’ve ever produced.” He stems from a very productive cow family and an 8 year old dam with impeccable udder quality who records four natural calves at 98 for BW and 117 for WW and has 25 progeny that ratio 106 for IMF.

- Not only does he offer ideal pigment and color, but this big bodied tank builds his mass and volume on excellent feet and bone. Mandate promises to be a calving-ease specialist and ranks in the top 10% of the breed for 13 different traits.

**EPDs as of 12/10/2018**

<table>
<thead>
<tr>
<th>CED</th>
<th>BW</th>
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**CHIEF**

**Tattoo:** PCR507C  
**Born:** 3/15/2015  
**BW:** 76 lbs  
**WW:** 743 lbs  
**YW:** 1346 lbs  
**YSC:** 38.2 cm  
**YF:** 6.3

- Chief saw heavy use last spring as one of the most logical choices for heifers available in the A.I. industry.

- His calves are consistently deep bodied and dark red with excellent rib shape and volume. The daughters will make tremendous cows.

**EPDs as of 12/10/2018**

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<th>BW</th>
<th>WW</th>
<th>YW</th>
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<th>M&amp;G</th>
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<th>MCW</th>
<th>UDD</th>
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<th>CW</th>
<th>FAT</th>
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</table>
In the AHA Progeny Test Program, 4013 cattle are unique for rapid early growth and efficiency. He is a go-to source for improved carcass genetics with a 16.88 REA (114 ratio), 3.99% IMF (137 ratio) and a marbling EPD in the top 1% of the population.

4013 is a big footed, stout featured, homozygous polled sire that consistently sires dark red, short marked cattle.

From: Innisfail Farm, GA; White Hawk Ranch, GA; and Mohican West, MT

EPDs as of 12/10/2018

- CED: -.1
- BW: 3.5
- WW: 79
- YW: 128
- SC: 1.3
- SCF: 1.4
- MILK: 16.5
- M&G: 22
- CEM: 61
- MCW: 1.6
- UDD: 98
- TEAT: 1.6
- CW: 1.05
- FAT: .79
- REA: .55
- MARB: .37
- BMI: .503
- CHB: 112

ACC:
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- .81
- .70
- .68
- .20
- .52
- .20
- .26
- .20
- .37
- .51
- .53
- .32
- .38
- .31
- .33

%:
- 1
- 1
- 5
- 5

From the respected Copeland & Sons Ranch in New Mexico, Flintlock has range survivability and longevity infused from generations of great cows in his lineage. His beautiful uddered dam is a feminine, dark-red cow that records 3 @ 107 for WW.

Flintlock is a paternal brother to the 2017 NWSS Grand Champion Hereford bull and his first calves have an iconic look with a soft rib and big hip.

From: Copeland & Sons Herefords, NM

EPDs as of 12/10/2018

- CED: -4.8
- BW: 3.5
- WW: 61
- YW: 101
- SC: .4
- SCF: 1.4
- MILK: 16.3
- M&G: 27
- CEM: .58
- MCW: -.4
- UDD: 87
- TEAT: 1.20
- CW: 66
- FAT: -.005
- REA: .27
- MARB: .16
- BMI: 346.427
- CHB: 101

ACC:
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- .59
- .46
- .45
- .15
- .35
- .10
- .16
- .15
- .25
- .36
- .38
- .18
- .22
- .19

%:
- 10
- 10
- 5
- 25
- 10
- 15
- 25
- 25
**Advance 628**

- **Tattoo:** 628
- **Born:** 2/20/2016
- **BW:** 91 lbs
- **WW:** 660 lbs
- **YW:** 1380 lbs
- **YSC:** 36.1 cm
- **YF:** 6.1

- **Powerfully built and red to the ground, Advance 628 was a member of Hoffman’s 2017 NWSS Champion Carload and went on to be the top selling bull in their 2017 sale. He offers one of the elite pedigrees available in the Hereford breed.**

- **A full sister to 628 commanded $100,000 in Hoffman’s 2017 female sale and Nate Fredrickson proclaims his donor dam to be one of the best females ever in his program. 628 is available to advance the maternal, genetic and physical quality of your breeding program.**

- **HH Advance 1013Y ET**
- **HH Advance 4075B ET**
- **CJH Harland 408**
- **FHF 408 Rita 21W**
- **FHF 45P Rita 101T**

**From:** Fawcets Elm Creek Ranch, SD; Frederickson Ranch, SD; Harrell CC, IL; and Hoffman Ranch, NE

**EPDs as of 12/10/2018**

| CED  | BW  | WW  | YW  | DMI | SC  | SCF | MILK | M&G | CEM | MCW | UDD | TEAT | CW  | FAT | REA | MARB | BMI | BII | CHB |
|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| EPD  | 3.5 | 2.6 | 57  | .5  | .7  | 14.4 | 25   | .7  | 131 | 1.30| 1.20| 89  | .055| .67 | .30 | 357 | 442 | 130 |
| ACC  | .34 | .63 | .48 | .46 | .15 | .13  | .18  | .15 | .30 | .37 | .38 | .10 | .10 | .10 | .10 | .10 | .10 | .10 |
| %    | 25  | 10  | 25  | 10  | 25  | 15   | 1    | 5   | 5   | 20  | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   |

**Nightcap**

- **Tattoo:** 7256
- **Born:** 3/4/2017
- **BW:** 76 lbs
- **WW:** 742 lbs
- **YW:** 1310 lbs
- **YSC:** 36.5 cm
- **YF:** 5.7

- **Nightcap is the high selling bull from the 2018 Churchill sale offering outcross calving-ease horned genetics. He has been selected for the AHA National Reference Sire program.**

- **With a soft rib, ideal structure and 100% pigmentation backed by a powerful dam, Nightcap has all the traits demanded by progressive Hereford breeders.**

- **LJS Mark Domino 0945**
- **LJS Ms Mark Domino 1125**
- **CL 1 Domino 144Y 1ET**
- **Churchill Lady 302A**
- **Churchill Lady 9134W**

**From:** Churchill Cattle Company, MT, and Gemstone Cattle Company, AB, CN

**EPDs as of 12/10/2018**

| CED  | BW  | WW  | YW  | DMI | SC  | SCF | MILK | M&G | CEM | MCW | UDD | TEAT | CW  | FAT | REA | MARB | BMI | BII | CHB |
|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| EPD  | 11.4| .6  | 48  | .92 | .3  | 1.1  | 8.7  | 28  | 52  | 12.4| 75  | 1.20| 1.10| .74 | .025| .65 | .38 | 264 | 339 | 123 |
| ACC  | .35 | .48 | .43 | .44 | .14 | .37  | .11  | .17 | .16 | .27 | .38 | .38 | .10 | .10 | .10 | .10 | .10 | .10 | .10 |
| %    | 5   | 10  | 25  | 25  | 25  | 20   | 1    | 25  | 15  | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   |

**Dam:** Churchill Lady 302A

**SexedULTRA**

**ONLY**

**H FHF Advance 628 ET**

**LJS Mark Domino 1321**

**CL 1 Domino 144Y 1ET**

**Churchill Lady 9134W**

**Churchill Nightcap 7256E**

**Churchill Nightcap 7256E**
SIMMENTAL Sires

Elite Simmental Show Sires

'Neill Genetics has the superior sires for showing success in the Simmental breed.

When paired with SexedULTRA 4M technology, the results are amazing.

Consistently produce high quality show heifers and replacement females.

Virtually eliminate low valued bull calves that are hard to sell.

Add value to bred females selling safe to a heifer calf.

Authority has caught the attention of exhibitors with several daughters topping sales including a bigtime heifer from Eric Gerdes in Iowa.

As a total outcross to Dream On, Authority is the perfect purebred to try in SexedULTRA 4M™ high fertility sex sorted semen, and he excels for semen quality and fertility.

- NF Trump S582
  - CDI Authority 77X
    - CDI Ms Croket 88T
    - Westfall Voyager 721P
  - OBCC Ms Tailor 14TW
    - OBCC MISS Tailor 14T

From: Owen Bros. Cattle Company, MO, and C-4 Land and Cattle, OK

EPDs as of 12/10/2018

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<th>Trait</th>
<th>CE</th>
<th>BW</th>
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<th>MCE</th>
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</table>
Oracle is a proven sire of major show winners, including the 2018 NAILE Grand Champion Bull, and will be available in SexedULTRA 4M™ sex sorted semen Spring 2019!

He consistently stamps cattle with extra extension and body in a flawless design profile that captivates judges.

- Heads Up 20X ET
- LLSF Uprising Z925
- SS Goldmine L42
- SS Babys Breath P035
- SVF Breath Taker J130

From: Hilbrands Cattle Co., MN, and Badger Creek Cattle Co., KS

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Brigade captured the attention of the industry with his massive build and dominating presence.

The first calf crop yielded a set of show heifers have the same promise and scope of their sire. Brigade will be available in SexedULTRA 4M™ high fertility sex sorted semen Spring 2019.

- Remington Lock N Load54U
- W/C Loaded Up 1119Y
- Aubreys Black Blaze III
- HTP/SVF Duracell T52
- CAJS Sweet Emotion 42Z
- JM Steel My Heart

From: Schaake Farms Inc., KS, and Holtkamp Cattle Co., IA
SIMMENTAL Sires

**All-Purpose Index (API)**

Evaluates sires for use on the entire cowherd. It has a maternal focus since some females will be retained in the herd for replacements but also has some weighting on growth and carcass traits since some animals will be put on feed and sold grade and yield.

**Terminal Index (TI)**

As indicated by the name, the TI index is a terminal index designed for cattle that will be fed and marketed on a grid.

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**STgenetics Top 5 API Sires**

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<tr>
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<th>Name</th>
<th>API</th>
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<td>OMF Epic E27</td>
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<td>551SM09010</td>
<td>Hook’s Black Hawk 50B</td>
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</table>

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**As the lead bull from the 2018 Champion Denver Pen from Oak Meadow Farms, Epic caught the attention of many breeders for his powerful hip design, superb structure and stunning profile.**

**Epic brings an outcross pedigree that excels for calving ease with growth and elite projections for API and TI. He does many things well. You might want to be in on the front end of this bull’s career.**

**Incredible Build with Genetic Merit**

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<th>EPD</th>
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<th>BW</th>
<th>WW</th>
<th>YW</th>
<th>MCE</th>
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Elevation is the perfect purebred for use on heifers with a smooth build, clean joints and an elite genomically-enhanced calving ease projection. His Stayability and API solidify the maternal quality infused in Elevation’s ancestry and his beautiful dam embodies ideal udder and foot quality.

- **Elevation**
  - Tattoo: 727E
  - Born: 2/12/2017
  - BW: 80 lbs
  - WW: 837 lbs
  - YW: 1373 lbs
  - YSC: 39.0 cm
  - YF: 5.8
  - Dam: RFG Forever Lady C231

Black Hawk was one of the breed’s shining stars in the transition to BOLT EPDs with elite API and TI resulting from a long list of traits for which he excels. Use Black Hawk to add capacity and fleshing ability in sensible frame size with a broody, cowmaker look.

- **Black Hawk**
  - Tattoo: 50B
  - Born: 3/20/2014
  - BW: 78 lbs
  - WW: 698 lbs
  - YW: 1244 lbs
  - YSC: 35.0 cm
  - YF: 5.5
  - Daughter: Bridle Bit Miss D610

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**Elevations as of 12/10/2018**

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**Black Hawks as of 12/10/2018**

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**SIMMENTAL Sires**

**BOUNTY**

- **ASA 2854458** Homozygous Black/Homozygous Polled 551SM09014
- **Hook’s Bounty 6B**

- Tattoo: 6B
- Born: 2/23/2014
- BW: 86 lbs
- WW: 792 lbs
- YW: 1506 lbs
- YSC: 39.0 cm
- YF: 6.5

- **Hybrid ¾**
- **SM ¼ AN**

- Bounty consistently delivers on the promise of top 1% weaning weight and top 1% ribeye. Bounty cattle are powerful in their design with a big hip and deep flank. He is perfect for both crossbreeding and making better purebreds.

- Bounty now has impressive daughters in production. With his top 1% stayability EPD, rest assured these cattle are great uddered with outstanding feet and joints.

**From:** Hook Farms, MN, and Gonsalves Ranch, CA

**EPDs as of 12/10/2018**

<table>
<thead>
<tr>
<th>CE</th>
<th>BW</th>
<th>WW</th>
<th>YW</th>
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**CONQUEST**

- **ASA 2984501** Homozygous Black/Homozygous Polled 203SM09001
- **CLRS Conquest 634 C**

- Tattoo: CLRS 634 C
- Born: 2/11/2015
- BW: 90 lbs
- WW: 699 lbs
- YW: 1359 lbs
- YSC: 41.0 cm
- YF: 5.5

- **Hybrid ½**
- **SM ½ AN**

- Conquest progeny are excellent, and he has sired sale topping bulls and elite replacement heifers in several programs. Heavy use continues in the Hook, Wulf and Maplecrest programs.

- Conquest is one of the breed’s best for combining economically relevant traits and indexes in the new BOLT system with ideal foot structure, gentle disposition and a massive body shape.

**From:** Clear Springs Cattle Co., MN, and Maplecrest Farms, OH

**EPDs as of 12/10/2018**

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**Sire Features**

- Mr NLC Upgrade U8676
- MCM Top Grade 018X
- Hooks Titus 31T
- Hook’s Yuma 49Y
- Hook’s Universal 17U

- **Tattoo:** 6B
- **Born:** 2/23/2014
- **BW:** 86 lbs
- **WW:** 792 lbs
- **YW:** 1506 lbs
- **YSC:** 39.0 cm
- **YF:** 6.5

- **Hybrid ¾**
- **SM ¼ AN**

**Conquest Features**

- **Tattoo:** CLRS 634 C
- **Born:** 2/11/2015
- **BW:** 90 lbs
- **WW:** 699 lbs
- **YW:** 1359 lbs
- **YSC:** 41.0 cm
- **YF:** 5.5

- **Hybrid ½**
- **SM ½ AN**

- **S A V Final Answer 0035**
- **K C F Bennett Absolute**
- **Thomas Miss Lucy 5152**
- **Hooks Shear Force 38K**
- **Hooks Solemn 334S**
- **ESJ4**

- **Son:** Hook’s Express 53E
**BLACK POWDER**  
**551SM09028**  
TFS Black Powder 6609D

- Tattoo: 6609D  
- Born: 1/14/2016  
- BW: 78 lbs  
- WW: 750 lbs  
- YW: 1311 lbs  
- YSC: 40.0 cm  
- YF: 5.7  
- Hybrid 5/8 SM 3/8 AN

With mass, depth and density stamped into the calves, you won’t need ear tags to identify Black Powder’s calves! Black Powder has the build of a big time breeding bull.

He’s as versatile as any bull in A.I. and logical for making baldy replacements, show heifers and market cattle. His dam has maintained a 359 day calving interval with six calves ratioing 104 for weaning.

- Remington On Target 2S  
- Remington Lock N Load54U  
- BAR15 Miss Knight78E-51G  
- S A V Pioneer 7301  
- TFS Black Moon 0210  
- TFS Moon Shadow 8615U

From: Trinity Farms, WA, and C&C Farms, WA

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**COWBOY**  
**551SM09031**  
CCR 707 Cowboy 6055B

- Tattoo: 6055B  
- Born: 2/12/2014  
- BW: 88 lbs  
- WW: 868 lbs  
- YW: 1364 lbs  
- YSC: 42.0 cm  
- YF: 5.8  
- Hybrid ½ SM ½ AN

There’s a lot to talk about with Cowboy...big time genetic profile, a cow family at the heart of the CCR program and a herd bull look that transmits stoutness and power.

Cowboy defies the odds for cattle at his levels for API and TI. He stands wide at all four corners with a big foot and an incredible weight-to-frame ratio.

- Triple C Singletary S3H  
- CCR MS 4045 Time 7322T  
- Lemmon Newsline C804  
- S D S Princess 707T  
- S D S Princess 562R

From: Cow Camp Ranch, KS, and High Point Genetics, IA

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CHAROALAIS Sires

Terminal Sire Index (TSI)

TSI utilizes economic and management descriptions of ranching operation along with EPD on available Charolais bulls to assist in identifying the most profitable sires for your unique operation. The TSI represents a dollar index designed to compare the profitability of progeny of different sires put on feed and marketed based on economic values taken from USDA data based on a three-year rolling average.

• Brent Thiel describes Patriot as one of the top few bulls ever produced at LT Ranch. His progeny enjoy widespread market appeal, and the daughters are becoming a highlight of the LT herd as they move into production.

• Seven heifers sired by Patriot recently averaged $3,014 in the Satterfield Production Sale. The cattle have superior disposition and structure with added scrotal on his sons.

From: Lindskov-Thiel Ranch, SD; Satterfield Charolais, AR; and the Patriot Group

Daughter: SAT Ms Brusset 6233 P

AICA M852822
Patriot

Homozygous Polled

LT Patriot 4004 PLD

Tattoo: 4004
Born: 2/10/2014
BW: 86 lbs
WW: 886 lbs
YW: 1451 lbs
YSC: 38.5 cm
YF: 6.1

EPDs as of 12/10/2018

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**FOREMAN**

- CMF 192 Wrangler 256
- WR Wrangler W601
  - WR Miss Princess T629
  - LT Ledger 0332 P
- WR Ledger B612
  - WR Miss Silver Y601

**Details:**
- Tattoo: D602
- YW: 1382 lbs
- DOB: 2/2/2016
- YSC: 37.8 cm
- BW: 58 lbs
- YF: 6.3
- WW: 699 lbs

**From:** Wagonhammer Ranches, NE, and Wild Indian Acres, MO

**EPDs as of 12/10/2018**

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**Heterozygous Polled**

- WR Foreman D602

**Description:**
- Foreman is the homozygous polled product of a proven mating designed for multi-trait excellence.
- Foreman defines performance excellence with contemporary group ratios of 71, 113 and 111 for birth weight, weaning weight and yearling weight, respectively.

**MILESTONE**

- DA Passport 502 P ET
  - WC Benelli 2134 P ET
    - JWK Clarice J139 ET
    - LT Blue Value 7903 ET
- WC Lady Blue 0506 P
  - DS Miss Fab Mack P ET

**Details:**
- Tattoo: 5223
- YW: 1362 lbs
- DOB: 1/12/2015
- YSC: 38.2 cm
- BW: 93 lbs
- YF: 6.2
- WW: 861 lbs

**From:** Wright Charolais, MO, and Milestone Investors, MO

**EPDs as of 12/10/2018**

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**RESOURCE**

- LT Rio Bravo 3181 P
- LT Rushmore 8060 PLD
  - LT Branda’s Ease 3055 PLD
  - LT Blue Value 7903 ET
- WC CCC Blue Girl 1528 P
  - CCC Bad Girlfriend U146 P ET

**Details:**
- Tattoo: 417
- YW: 1306 lbs
- DOB: 2/17/2014
- YSC: 37.5 cm
- BW: 71 lbs
- YF: 6.0
- WW: 923 lbs

**From:** Wright Charolais, MO; Cody Cattle Co., KS; and Resource Investors

**EPDs as of 12/10/2018**

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**BRAHMAN Sires**

**ABBA 896343**  
**KING OF CLUBS**  
JDH King of Clubs Manso

- Tattoo: 784/4  
- Born: 10/4/2010  
- BW: 65 lbs  
- WW: 580 lbs

- King of Clubs is a Neese Manso son out of a tremendous Brandon daughter that offers a rare EPD profile!  
- King of Clubs should appeal to Registered and Commercial breeders alike with his combination of phenotype, pedigree, calving ease and femininity of daughters.

- **Sires**  
  - +Mr. V8 789/4  
  - JDH Sir Neese Manso  
    - JDH Lady Rubidia Manso  
    - +JDH MR Brandon Manso  
  - JDH Lady Kathryn Manso  
    - JDH Lady Welu Crat Manso

From: J.D. Hudgins - Locke Div., TX, and Bruce Alford Cattle Co., TX

**ABBA 925514**  
**KALLION 1352**  
Mr Kallion 1352

- Tattoo: 1352  
- Born: 3/20/2012  
- BW: 72 lbs  
- YSC: 34.0 cm

- 1352 has the potential to one day become a Trait Leader for Docility. His calves are exceptionally quiet and gentle.  
- 1352 is a great calving ease option, with 124 purebred calves averaging 66 pounds at birth. Recommended for heifers and crossbreeding.

- **Sires**  
  - (+)JDH Karu Manso 800  
    - Mr Mendel De Kallion 436 (ET)  
    - JDH Lady Risch Manso  
    - Mr Mendel De Kallion 732  
    - Miss Kallion 1731  
    - Miss Algodon Manso 204

From: Kallion Farms, TX

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</table>
**V8 151/8**

- **Tattoo:** 151/8
- **Born:** 2/23/2017
- **BW:** 59 lbs
- **WW:** 426 lbs
- **YW:** 811 lbs
- **YSC:** 32.0 cm

**EPDs as of 12/10/2018**

<table>
<thead>
<tr>
<th>BW</th>
<th>WW</th>
<th>YW</th>
<th>Milk</th>
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**ACC**

| % | 2 |

**NEW**

- A 380 son with a lot of muscle expression, great on the move, and deep bodied. Moderate framed and extremely gentle. He was the #1 lowest overall birth weight bull of the V8 Ranch’s 2018 Performance Brahman Bull Sale.

- 151/8 also ranks in the top 2% of the breed for birth weight, top 3% for calving ease and top 9% for REA. High fertility SexedULTRA 4M sexed semen coming in 2019!

**From:** V8 Ranch, TX, and STgenetics, TX

---

**KARU 800-1**

- **Tattoo:** 800-1
- **Born:** 5/5/2011
- **BW:** 59 lbs
- **WW:** 426 lbs
- **YW:** 811 lbs
- **YSC:** 32.0 cm

**EPDs as of 12/10/2018**

<table>
<thead>
<tr>
<th>BW</th>
<th>WW</th>
<th>YW</th>
<th>Milk</th>
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**ACC**

| % | 2 |

- A replica of the original, legendary Karu!

- Mr. Karu Manso 800 carries on the legacy of his namesake, injecting growth, power, phenotype and performance into his offspring.

**From:** STgenetics, TX

---

**V8 151/8**

- **(+)**JDH Karu Manso 800
- **Mr. V8 380/6**
- **Miss V8 170/6**
- **V8 178/7**
- **Miss V8 567/6**

**Miss RB 791/4 “Classy”**

- **JDH Manso Grande 488**
- **JDH Dakota Manso 599**
- **JDH Lady Shano Manso**
- **(+)**JJ Didor Crata 389
- **JDH Lady Rem S. Manso**
- **=JDH Ms. Rem Manso 7**

**Miss RB 791/4 “Classy”**

**From:** STgenetics, TX
**BRAHMAN Sires**

**OMAHA**

- Tattoo: 273/6
- Born: 1/19/2016
- BW: 76 lbs

**From: Satterfield Ranch, TX**

- Dam: Miss SNS 398/7
- From the respected Satterfield Ranch program, Omaha is accomplished in the show ring, boasting the 2017 Dixie National Calf Champion, Texas State Junior Show Junior Champion and the Junior National Show Junior Champion.
- Omaha is double-bred Karu and his productive dam produced the $23,000 high-selling female at the 2018 International Brahman Sale in Houston.

**EPDs as of 12/10/2018**

<table>
<thead>
<tr>
<th>BW</th>
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<td>.17</td>
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</table>

**BOGOTA**

- Tattoo: 253/1
- Born: 2/23/2011
- BW: 84 lbs
- WW: 630 lbs

**From: STgenetics, TX**

- Dam: Miss SNS 398/7
- From the respected Satterfield Ranch program, Omaha is accomplished in the show ring, boasting the 2017 Dixie National Calf Champion, Texas State Junior Show Junior Champion and the Junior National Show Junior Champion.
- Omaha is double-bred Karu and his productive dam produced the $23,000 high-selling female at the 2018 International Brahman Sale in Houston.
- Bogota notable for his muscle, volume and bone. Feet and legs are a strong point. Use to add milking ability to your replacements females.

**EPDs as of 12/10/2018**

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</table>
**RED BRAHMAN Sires**

**X-RAY**

**ABBA 946545**

- **Arrow J Millionaire 503**
- **Budd’s Miss Mayro 84/3**
- **+HK Mr America 435/2**

**+Miss 3H 290**

- **Z-Bar Brazos Queen 890**

**Tattoo:** 825/1

**DOB:** 11/5/2014

From: HK Cattle, TX, and STgenetics, TX

- **HK X-Ray**

**551RR01606**

- **EPDs as of 12/10/2018**

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**Tattoo:** 825/1

**DOB:** 11/5/2014

**From:** HK Cattle, TX

**Red River**

**ABBA 895378**

- **Mr. 3H Polo 628 P**
- **HK Ms. America 280**
- **Mr 3X Millenium 2000**
- **Ms. 3X Red Dynasty 9/3**
- **Ms 3X Elegant Lady 10/4**

**Tattoo:** 968

**DOB:** 8/27/2010

**From:** HK Cattle, TX

**Visa Volunteer 244**

**ABBA 916699**

- **HK Visa Brasil**
  - **HK Ms. Break Thru 966**
  - **+Mr. 3H X-Ray 825**

**HK Ms. X-Ray 766**

- **HK Ms. Passport 313**

**Tattoo:** 244

**DOB:** 10/17/2012

**From:** HK Cattle, TX

- **HK Visa Volunteer 244**

**203RR01603**

- **EPDs as of 12/10/2018**

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**ACC**

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**From:** HK Cattle, TX
**BRANGUS Sires**

**SOMETHING SPECIAL**

**IBBA R10203255**

**MC Something Special 889Y2**

Tattoo: 889Y2  
Born: 2/14/2011  
BW: 76 lbs

- Ideal daughter-maker in a calving ease package! Recommended for heifers and cows.  
- 889Y2 is a “no holes” bull that excels for carcass merit, ranking in the Top 10% of the breed for REA and Top 15% for IMF.

**MC Jethro 00S3**  
**MC Something Special 129W14**  
**MC Ms Lead Gun 129T12**  
**MC Real Deal 541R3**  
**BWCC Ms Real Deal 889W8**  
**MC Ms Extravagant 889P4**

From: Mound Creek Ranch, TX, and Blackwater Cattle Company, GA

**EPDs as of 12/10/2018**

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**CSONKA**

**IBBA R10187033**

**Farris Czonka 401X**

Tattoo: 401X  
Born: 4/9/2010  
BW: 86 lbs

- Czonka is a wide-based, masculine bull, balancing a soggy look with tremendous muscle expression.  
- His daughters are moderate, deep-bodied and easy fleshing.

**Lead Gun Of Brinks 222K14**  
**Csonka Of Brinks 30R4**  
**Miss Brinks Uppercut 30L18**  
**Brinks Bright Side 607L11**  
**Ih Ms Bright Side 40R**  
**Miss Brinks Ideal 40K2**

From: Lack-Morrison Brangus, NM

**EPDs as of 12/10/2018**

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<th>WW</th>
<th>YW</th>
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</table>
OUTCROSSING refers to a cross between two individuals of the same breed that are not closely related. Generally, they would not have any common ancestors in the first four generations. This is a valuable tool to help add genetic diversity or heterozygosity to your herd. Outcrossing can help to minimize the danger of unwanted genetic recessives or haplotypes that can have detrimental effects on profitability. Outcrossing can also help to avoid the effects of inbreeding depression when crossing animals of the same breed.

CROSSBREEDING is the mating of two animals from different breeds. This is a common practice in cattle breeding that can have many benefits. The primary advantages of using multiple breeds are:
1. Heterosis (hybrid vigor)
2. Combine the strengths of the various breeds used to form the cross

The goal of a well-designed, systematic crossbreeding program is to simultaneously optimize these advantages of heterosis and breed complementarity.

HETEROSIS or HYBRID VIGOR refers to the superiority in performance of the crossbred animal compared to the average of the straight bred parents. Heterosis may be calculated as follows:

\[
\% \text{ Heterosis} = 100 \times \frac{\text{Crossbred Average} - \text{Straight Bred Average}}{\text{Straight Bred Average}}
\]

For example, if the average weaning weight of the straight bred calves was 470 pounds for Breed A and 530 pounds for Breed B, the average of the straight bred parents would be 500 pounds. If Breed A and Breed B were crossed and the resulting calves had an average weaning weight of 520 pounds, heterosis would be calculated as:

\[
\% \text{ Heterosis} = 100 \times \frac{(520 - 500)}{500} = 4\%
\]

This 4% increase, or 20 pounds in this example, is defined as heterosis or hybrid vigor.
WAGYU History

Wagyu were originally draft animals used in agriculture, and were selected for their physical endurance. This selection favored animals with more intra-muscular fat cells—marbling—which provided a readily available energy source. Wagyu is a horned breed and the cattle are either black or red in color.

WAGYU Beef Health Benefits

Wagyu is also higher in a type of fatty acid called conjugated linoleic acid (CLA). Wagyu beef contain the highest amount of CLA per gram of any foodstuff—about 30% more than other beef breeds—due to higher linoleic acid levels. Foods that are naturally high in CLA have fewer negative health effects. Source: American Wagyu Association Website

The unique taste and tenderness of highly marbled Wagyu beef makes for an unrivalled eating experience. That is why Wagyu beef is finding its way into the repertoires of Gourmet cooks and fine restaurants across the US.

What are WAGYU?

**AMERICAN ABERDEEN/LOWLINE Sire**

**TRUST ME**

- **Tattoo:** 2525Z  **DOB:** 10/12/2012
- **From:** Duff Cattle Company, OK, and Sandford Ranches, TX

**DUFF Trust Me**

- **Tattoo:** 2525Z  **DOB:** 10/12/2012
- **From:** Duff Cattle Company, OK, and Sandford Ranches, TX

- **Trust Me** is a calving ease sire proven to reduce birthweights with excellent calf vigor and survivability in range conditions.

- **Use Trust Me** to sire easy fleshing, deep bodied cattle with excellent structure and conservative mature size.

---

**TAYASU**

- **Tattoo:** 533  **Born:** 11/15/2011
- **From:** Crescent Harbor Ranch, WA

- **Dai 20 Hirashige 287**
- **Hirashigetayasus J2351**
- **Dai 5 Yuruhime**
- **World K’s Takazakura**
- **Suzutaka 2**
- **World K’s Suzutani**

- 533 is a muscular bull out of the Kedaka line and should deliver good growth and a larger frame.
- His sire is a trait leader for growth, and 80% of his steer offspring graded A5 for marbling, the highest in Japan.

**MICHYOSHI II**

- **Tattoo:** 755E  **Born:** 5/7/2016
- **From:** Crescent Harbor Ranch, WA

- **World K’s Michifuku**
- **World K’s Sanjirou**
- **World K’s Suzutani**
- **JVP Fukutsuru-068**
- **CHR MS Takazakura 044J**

- Full brother to the original Michiyoshi.
- SCD: AA and Exon 5: BC
Strategies for Using Sexed Male Semen

SEEDSTOCK OPPORTUNITIES

Sexed male semen provides a shift in the sex ratio which unlocks new options to seedstock providers.

- Market more bulls from the same number of cows
- Market the same number of bulls using a smaller cow herd
- Create a higher quality offering of sale bulls with greater selection pressure applied to a larger pool of bulls.
- Create custom bulls for specific customer needs

Sexed male semen in tandem with sexed female semen provides the opportunity to customize a breeding program to fit specific needs:

- Breed top cows to sexed female semen from highly maternal bulls to generate replacement heifers.
- Use sexed male semen allows you to use more terminal bulls for customers wanting performance and carcass traits without the terminally bred female counterparts.
- SexedULTRA 4M has proven effective in flushing and IVF, offering the option to select the calf sex from high value donor matings.

COMMERCIAL BREEDING SYSTEMS

Commercial producers can utilize sexed semen to simultaneously enhance their cow herd and add pay weight to a calf crop.

- Breed top cows to maternal bulls that fit your environment and breed the balance of the cows to terminal sires that excel for pounds. This system adds weaning weight of steers over heifers and incorporates high performance bulls with carcass merit that will add even more pounds and excel in the feeding and packing sectors.
- Sexed semen provides convenient crossbreeding. Use sexed female semen to create your F₁ replacement heifers from maternal breeds. Breed the F₁ females to sexed male semen to create F₂ market steers. This system provides maximum heterosis and breed complementarity.
The split-time A.I. protocol has shown to be effective for conventional and sexed semen by accounting for animals that ovulate at different times, thus improving conception while decreasing usage of GnRH. Females with worn heat patches are A.I.’d at 66 hours after CIDR removal, while those with unworn patches are deferred or sorted off and A.I.’d at the second A.I. time, provided they have worn heat patches by that time. Again, it is not recommended to A.I. with sexed semen to females that have not come into heat. Conventional semen can be used on those females or they can be turned in with bulls for natural service.
## Heat Detection
1 Shot PG

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<tbody>
<tr>
<td>Heat detect &amp; AI</td>
<td>Heat detect &amp; AI</td>
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</tbody>
</table>

## Heat Detect & Time AI (TAI)

### Select Synch + CIDR® & TAI
Heat detect and AI day 7 to 10 and TAI all non-responders 72 - 84 hrs after PG with GnRH at TAI.

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<thead>
<tr>
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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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### 4-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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### 5-day CO-Synch + CIDR®
Perform TAI at 54 ± 2 hr after PG with GnRH at TAI.

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<tbody>
<tr>
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</table>

### 7-day CO-Synch + CIDR®
Perform TAI at 66 ± 2 hr after PG with GnRH at TAI.

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### 14-day CIDR®-PG
Perform TAI at 66 ± 2 hr after PG with GnRH at TAI.

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### MGA®-PG
Perform TAI at 72 ± 2 hr after PG with GnRH at TAI.

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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.
Heat Detection
Select Synch

Heat detect and AI days 0 to 3. Administer CIDR® to non-responders and heat detect.

Heat Detect & Time AI (TAI)
Select Synch & TAI

Heat detect and AI day 6 to 10 and TAI all non-responders 72 – 84 hr after PG with GnRH at TAI.

Fixed-Time AI (TAI)*
7-day CO-Synch + CIDR®

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

5-day CO-Synch + CIDR®

Perform TAI at 72 ± 2 hr after CIDR® removal with GnRH at TAI. Two injections of PG 8 ± 2 hr apart are required for this protocol.

Select Synch + CIDR®

Heat detect and AI days 0 to 3. Administer CIDR® to non-responders and heat detect.

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.

PG 6-day CIDR®

Heat detect and AI days 0 to 3. Administer CIDR® to non-responders and heat detect.

PG 6-day CIDR® & TAI

Heat detect and AI days 0 to 3. Administer CIDR® to non-responders and heat detect.

* 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.

Bos Indicus cows only

PG 5-day CO-Synch + CIDR®

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.

Beef Reproduction Task Force
Approved 8-28-2017

Cystorelin®, Factrel®, Fertagyl®, OvaCyst®, GONABreed®, ProstaMate®, SYNCHSURE™

estroPLAN®, Estrumate®, In-Synch®, Lutalyse®, Lutalyse® HighCon, ProstaMate®, SYNCHSURE™
**SexedULTRA Technology**

- Process removes dead cells
- Speciality media tailored for each step in the production process
- Large scale media manufacturing and distribution
- Optimization of staining method
- State of the art equipment

**4 MILLION FEMALE SPERM CELLS PER STRAW**

- **XY 2.1M**: 55.9a (n=1,953)
- **SexedULTRA 2.1M**: 59.9b (n=1,999)
- **SexedULTRA 3M**: 60.0b (n=2,013)
- **SexedULTRA 4M**: 66.7c (n=1,890)
- **Conventional 15M**: 66.5c (n=62,398)

NRR (%): Non-Return Rate %

Trials conducted in collaboration with GGI, Germany