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**Available in Spring of 2019**

**Available in Canada ONLY**

PAP scores available at www.selectsiresbeef.com under the resources tab
7AN463 TEX PLAYBOOK 5437

Consistently sires quality! PLAYBOOK calves have risen to the top of calf crops across the country. They are quiet-tempered, deep-bodied, structurally correct cattle with exceptional eye-appeal and performance.

◊ PLAYBOOK is stout, smooth and big-middled with lots of base width and muscle expression. Easy to view and easy to use.

◊ A breed leader for $Weaning, Docility and Milk.

◊ A proven low birth weight, Calving Ease sire who does not sacrifice body dimension or growth

◊ Works extremely well on WEIGH UP, PROPHET, FORTRESS and TEN X descendants

From Teixeria Cattle Co., OR; Deer Valley Farms and Crazy K Ranch, TN; Rishel Angus, NE; Black Gold Genetics, IL; Valley Oak Angus, MO and Spruce Mountain Ranch, CO

Daughter, Deer Valley Farm, TN
Daughter, Boyd Beef Cattle, KY
Daughter, Rutherford Ranches, TX

BW: 75 lbs / ratio 101
VW: 840 lbs / ratio 121
YW: 1456 lbs / ratio 118
Ye. SC: 42 cm

BASIN PAYWEIGHT 006S
BASIN PAYWEIGHT 1682
21AR O LASS 7017
SUMMITCREST COMPLETE 1P55
RITA 1C43 OF 9M26 COMPLETE
RITA 9M26 OF RITA SF56 PRED

Daughter, Boyd Beef Cattle, KY
Daughter, Deer Valley Farm, TN
Daughter, Rutherford Ranches, TX

Reg: +18414912
Tattoo: 5437
DOB: 8/3/2015

$40
SURE FIRE

◊ The premier Calving Ease and carcass bull in the beef business today
◊ SURE FIRE defines maternal like a good bull should. He’s high for DOC, HP, CEM, sires the right-size in terms of frame and he stamps his daughters with superb udders.
◊ With nearly 150 actual carcass records and top 1 percent Marbling, expect quality grade premiums!
◊ SURE FIRE is seeing heavy use by commercial and purebred cattlemen who are focused on the future.
◊ Take advantage of proven value-added genetics!

From Gardiner Angus Ranch and Chair Rock, KS and Mayer Ranch, OK

EPDs as of 12/15/18

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Spring 2019 Angus Breed Average EPDs

METHOD GENETICS

MPS / %
147 / 7

QPI / %
142 / 4

ROI / %
261 / 4
FLAT TOP is a highly used young sire who keeps building exceptional data.
A dependable Calving Ease sire who consistently delivers exceptional growth and eye-catching phenotype.
Black Granite’s stoutest and best phenotype son. He exceeds his sire for frame size and length of body; impressive to all that have seen him.
Maternal strength is braided into his pedigree, his dam consistently transmits exceptional phenotype while backing it up with stellar production records.
Excellent mating choice to reduce birth weight, correct structure and increase phenotype without sacrificing growth

From Werner Angus LLC, IL; Chandler Cattle Co. and Buford Ranches, OK; Lisonbee Angus Ranch, UT; Rock Ridge Farms, Solid Rock Angus and Sammy & Connie Ayres, KY; Sarkaria Farms and Trowbridge Farms, NY; Bill Hargrafen, IA and Resig Cattle, MT

**7AN451 WERNER FLAT TOP 4136**

**PROOF POSITIVE**

**Daughter, Werner Angus, IL**

**Daughter, Rock Ridge Farms, KY**

**BW: 86 lbs / ratio 101**
**WW: 874 lbs / ratio 114**
**YW: 1452 lbs / ratio 114**
**Ya: 38 cm**

CONNEALY BLACK GRANITE
CONNEALY CONSENSUS 7229
EURA ELGA OF CONANGA 9109
CRA BEXTOR 872 5205 608
WERNER LADY 0304
SANDPOINT LADY 7869

**Reg: 18094501**
**Tattoo: 4136**
**DOB: 9/7/2014**

**EPDs as of 12/15/18**

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Spring 2019 Angus Breed Average EPDs

**Production:**
- **CED:** 6
- **BW:** 1.3
- **WW:** 52
- **YW:** 92
- **RADG:** 21
- **DMI:** 25
- **YH:** 4
- **SC:** 74
- **DOC:** 15

**Maternal:**
- **HP:** 10.4
- **CEM:** 9
- **MILK:** 24
- **MW:** 28
- **MH:** .3
- **$EN:** -5.50

**Carcass:**
- **CW:** 36
- **MARB:** 50
- **RE:** .47
- **FAI:** .012
- **$W:** 48.33
- **$F:** 49.14
- **$G:** 32.37
- **$B:** 115.11

7AN451 WERNER FLAT TOP 4136
TAHOE is arguably one of the most complete Angus bulls in the breed.

- Ranks in the top 1 percent of the breed for CED and top 10 percent for WW and YW all while adding body, fleshing ability and base width
- Check out his maternal greatness ranking in the top 2 percent of the breed for $W and top 15 percent for HP, DOC and CEM
- Use to reduce mature size without sacrificing performance
- He will improve MARB and REA while adding eye-appeal, dimension and improving feet and udders
- Few sires can match his combination of Calving Ease, performance, maternal traits and carcass merit all while improving type and longevity

From Tehama Angus Ranch, CA; VanDerVeen Farms and Cory VanDerVeen, KS and Jake Swisher, NE

AAA Reg#: +17817177

Tattoo: B767
Born: 9/6/2013
Birth Wt: 88 lbs | ratio 104
205 Day Adj Wt: 720 lbs | ratio 111
365 Day Adj Wt: 1334 lbs | ratio 109
Yr Scrtl Circum: 40 cm
Yr Fr Score: 5.8
As his name implies, he offers an incredible BALANCE in his EPD profile and his stunning-phenotype.

Backed by one of the most prominent cow families in the Angus breed, tracing to the legendary super cows 614, 309 and 5H11

Massively designed, big-bodied and flawless in skeletal structure, BALANCE is a cattleman’s kind of bull!

Powerful performance, elite DNA and EPD profile all in a moderate-framed, easy fleshing package. BALANCE is a cow-maker deluxe!

From Deer Valley Farm and Cedar Ridge Angus, TN; Heritage Farm, Solid Rock Angus and Tamme Valley Farm, KY and Max Branch Cattle, FL

WALL STREET is a true beef bull with tremendous depth of body and thickness throughout. A masculine young sire that captures your attention from every angle.

Offers excellent weaning and yearling performance with exceptional $ Values excelling in the top 1 percent of the Angus breed for YW, CW, $F and $B

His dam stacks two of the all-time leading, curve-bending A.I. sires from the Select Sires lineup with WEIGH UP and GAR NEW DESIGN 5050.

Her grandam is the legendary, record selling GAR EXT 614 whose progeny have set records throughout the Angus breed.

Powerful phenotype, breed-leading growth with extra Marbling and $Value indexes

From Deer Valley Farms and Allison Farms, TN; Schiefelbein Farms, MN; Bar 7 Genetics, AL; Lawson Farms, VA and Cheer-Up Farm, CT
Established as a go-to sire for high performance sons and daughters
Daughters are big-bodied, wide-based and powerful with quality udders
NIAGARA’s list of sale toppers continues to grow – they’re in demand!
One of only two proven bulls providing his blend of yearling growth and muscle
Move your cow herd to a higher level of performance with one of the best, NIAGARA.

From Stewart Select Angus, IN

EPDs as of 12/15/18

Production

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Maternal

| HP   | .58  | 10    |
| CEM  | 1.11 | 20    |
| MILK | .012 | 10    |
| MW   | .50  | 30    |
| MH   | .50  | 20    |
| MN   | .52  | 15    |
| MIN  | 10   | 10    |
| DMI  | -25.03 | 10 |

Carcass

| CW   | 36   | 10 |
| RE   | .62  | 5  |
| MARB | .59  | 5  |
| MEAT | .62  | 5  |
| FAT  | .47  | 5  |
| $E   | .12  | 1  |

Production Maternal Carcass C U $Value


Spring 2019 Angus Breed Average EPDs


Maternal: HP: 10.4  CEM: 9  MILK: 24  MW: 28  MH: 3  $EN: -5.50


$25
7AN427 QUAKER HILL MANNING 4EX9

- With an impressive progeny proof, MANNING continues to show what he is made of.
- Double-digit Calving Ease with awesome growth numbers — he excels with proven top performance for WW and YW and brings lots of carcass quality to the end game.
- Progeny are good bodied with a lot of width, dimension and an attractive look.
- Quaker Hill Blackcap 0A32, MANNING’s dam, is a full sister to Rampage.

From Quaker Hill Farm and Kowpoke Cattle Co., VA and Friendship Farms, GA

Reg: +17831034
Tattoo: 4EX9
DOB: 3/16/2014

EPDs as of 12/15/18

Production

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Maternal

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% Rank | 10  | 1   |1  | 1  | 1                            | 10   | 15 | 15 | 15  | 10  | 10  | 30                            | 1 |

Carcass

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</table>
% Rank | 10  | 1   |1  | 1  | 1                            | 10   | 15 | 15 | 15  | 10  | 10  | 30                            | 1 |

7AN479 KB-FULL MEASURE C40

- Potent genetics that will boost a genomic profile to new levels.
- He is elite for $W and $B while in the top 20 percent of the breed for 17 different traits and indexes.
- FULL MEASURE is structurally sound with a long stride and extra neck extension. He is long-hipped, level-topped, smooth-shouldered with plenty of muscle definition and fore rib.
- Get a FULL MEASURE of traits and phenotype in one complete package.

From Mark Glaser, NE and KB Angus, MI

Reg: 18423726
Tattoo: C40
DOB: 12/16/2015

EPDs as of 12/15/18

Production

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% Rank | 10  | 1   |1  | 1  | 1                            | 10   | 15 | 15 | 15  | 10  | 10  | 30                            | 1 |

Maternal

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</table>
% Rank | 10  | 1   |1  | 1  | 1                            | 10   | 15 | 15 | 15  | 10  | 10  | 30                            | 1 |

Carcass

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</tbody>
</table>
% Rank | 10  | 1   |1  | 1  | 1                            | 10   | 15 | 15 | 15  | 10  | 10  | 30                            | 1 |
ACCLAIM ranks at the top of the breed for $Beef while also ranking in the top 10 percent or higher for CED, WW, YW, RADG, DOC, HP, CW, Fat and $F.

An outcross to most Angus pedigrees, ACCLAIM is a free-moving, long-bodied, larger-framed bull with elite growth.

If your goal is to add elite carcass value, boost growth, maintain Calving Ease and maternal value, ACCLAIM is an excellent choice.

In addition to growth and carcass, he excels for Heifer Pregnancy and Docility!

His dam was a crowd favorite on the 2018 Select Sires Beef Tour for her mass, three dimensional type, fleshing ability, udder quality and foot design.

One of our top selling bulls in the 2017-2018 sale season

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One of our top selling bulls in the 2017-2018 sale season
**7AN480 TEHAMA BONANZA E410**

- **Double-digit Calving Ease** coupled with exceptional growth in a stout, wide-bodied, structurally sound package.
- **BONANZA** is excellent foot quality with a super disposition and high ranking for HP and $W, cow-maker traits that have a lasting impact.
- His first calves have been low birth weight with extra depth of body, level designed and have a captivating look.
- An outcross pedigree to most traditional Select Sires pedigrees, BONANZA is a great mating for COMRADE, FORTRESS, PROPHET, SUMMIT and REMEDY daughters.

**From Tehama Angus, CA; Boyd Beef Cattle, KY; Prairie View Farm, IL and Trowbridge Angus, NY**

**EPDs as of 12/15/18**

<table>
<thead>
<tr>
<th>Production</th>
<th>Maternal</th>
<th>Carcass</th>
<th>C</th>
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</table>

**Acc**

| % Rank | 20 | 3 |

**7AN531 MOGCK ENTICE**

- **Entice** is wide-based, long-bodied with exceptional depth of rib and thickness.
- He offers a very pleasing phenotype in a growth oriented mid 6 frame score.
- He had a very solid set of performance data: BW 77 lbs., WW 886 lbs., weaning ratio of 116, YW 1,544 lbs. and yearling ratio of 114.
- In addition to growth, he does very well from a carcass standpoint. He had a 4.94 IMF score with a ratio of 118 and a ribeye measurement of 17.0" with a ratio of 114.
- He has a very good disposition, which is validated by his score of 1 on the 50K test for docility and his 34 Docility EPD.

**From Mogck & Sons, SD; Hoover Angus, IA and TK Angus, NE**

**EPDs as of 12/15/18**

<table>
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<th>Production</th>
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<td><strong>EPD</strong></td>
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**Acc**

| % Rank | 20 | 10 | 3 | 2 | 9 |

**Spring 2019 Angus Breed Average EPDs**

**Production:**
- CED: 6
- BW: 1.3
- WW: 52
- YW: 92
- RADG: 21
- DMI: 25
- YH: 4
- SC: 74
- DOC: 15

**Maternal:**
- HP: 10.4
- CEM: 9
- MILK: 24
- MW: 28
- MH: .3

**Carcass:**
- CW: 36
- Marb: 50
- RE: .47
- Fat: .012
- $W: 48.33
- $F: 49.14
- $G: 32.37
- $B: 115.11
The most intriguing young sire to enter A.I. this year. GROWTH FUND defies the odds in terms of genetic merit.

His impeccable EPD profile provides modest Calving Ease with off the charts growth and end product values. He ranks among the Angus breed's most elite 1 percent for WW, YW, CW, $W, $F and $B.

His powerful dam is backed by the Select Sires cornerstone sires of WEIGH UP and 5050 and his third dam is the legendary 614 cow. Angus royalty that have proven to add performance and value year after year.

It's rare to find a bull that captures one's eye on paper and in the pasture. GROWTH FUND is a structurally sound, moderate-framed bull with a powerful hip and rear leg. He exhibits extra neck extension, a smooth shoulder and is wide-topped and wide-based with muscle expression and depth of body.

Want to increase your assets? Invest in GROWTH FUND.

From Deer Valley Farm, TN; Edisto Pines, SC; Britt Angus, GA; Trowbridge Angus, NY; Raymar Farms, CA and Lawson Farms and Tom Baker, VA

<table>
<thead>
<tr>
<th>EPDs as of 12/15/18</th>
<th>Production</th>
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</table>
| % Rank | 1 | 20 | 30 | 2 | 5 | 15 | 2 | 4 | 1 | 30 | 25 | 1 | 1

**7AN395 K C F BENNETT**

**FORTRESS**

- **Tattoo:** Y331
- **DOB:** 9/25/2011
- **Reg:** +17259012

◊ One of the most highly proven spread bulls in the Angus breed, FORTRESS calves come easy, have great vigor and grow exceptionally well.

◊ A $Weaning trait leader who breeds profit into cattle at all stages of their life.

◊ His first daughters in production are deep-bodied, broody females with nice udder design.

◊ His sons are high-volume, easy-fleshing and fast-gaining. They have topped sales across the U.S. and are well accepted in both the purebred and commercial sectors.

◊ Use FORTRESS with confidence; he delivers positive results every time.

From Knoll Crest Farm, VA

**EPDs as of 12/15/18**

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**7AN511 VERMILION**

**SPUR B024**

- **Tattoo:** B024
- **DOB:** 2/3/2014
- **Reg:** 17841616

◊ SPUR your program to new heights with the $Weaning leader.

◊ Fresh genetics, elite Calving Ease, high Heifer Pregnancy and breed-leading Marbling.

◊ A unique genetic package ranking in the top 1 percent for $W and top 5 percent for $B.

◊ He sires fast-growing calves with added length of body and performance.

◊ His daughters are proving to be productive young females that wean big calves.

From Vermilion Ranch and Bobcat Angus, MT

**EPDs as of 12/15/18**

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<tr>
<td>CED BW WW YW RADG DMI YH SC DOC HP CEM MIN RACDG MW MN FEN</td>
<td>CW</td>
<td>RE</td>
<td>Fat</td>
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<td>55</td>
<td>1.06</td>
<td>.36</td>
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</table>

| % Rank | 1 | 15 | 15 | 5 |
◊ Rampage’s most unique son
◊ He offers as much BW to WW spread as any bull in the breed with a MH EPD of a moderate +0.1!
◊ LEGENDARY is moderate in size, big-hipped and super sound with tons of eye-appeal and added muscle. He will add end-product merit while improving Heifer Pregnancy!
◊ The dam side provides strong maternal genetics and moderate mature size
◊ His first calf crop came light and has tremendous early growth.

From Connealy Angus Ranch, NE and Square B Ranch and Cattle Co., MO
From left to right in his EPD profile, few bulls can match HORIZON’s multi-trait excellence. This high-accuracy sire is proven for CED, growth, carcass bonuses and improvements for $W and $B. His offspring display good feet, attractive profiles and his daughters are super uddered.

From Mill Creek Ranch, KS

<table>
<thead>
<tr>
<th>BW</th>
<th>WW</th>
<th>YW</th>
<th>SC</th>
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<tr>
<td>60 lbs</td>
<td>732 lbs</td>
<td>1223 lbs</td>
<td>38 cm</td>
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<tr>
<td>1/1/2011</td>
<td>MCC DAYBREAK</td>
<td>MCC MISS FOCUS 134</td>
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</table>

From Benoit Angus and Smoky Valley Angus, KS

Industry-leading Calving Ease and Birth Weight combination with great Docility and Heifer Pregnancy makes NEW ADDITION a candidate for the short list. Moderate-framed with base width and soundness, you’ll appreciate his daughter’s replacement potential. Lots of repeatability built into his pedigree with Confidence Plus and DASH

From Connealy Angus Ranch, NE and Schaack Ranch, SD

Proven Calving Ease, ranking in the top 4 percent of breed for both CED and BW, STINGRAY is a high customer satisfaction bull with excellent calf vigor. His daughters are gaining attention for their rib shape, fleshing ability and beautiful udders. They are the cowman’s kind.

From Connealy Angus Ranch, NE and Schaack Ranch, SD

EPD as of 12/15/18

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<thead>
<tr>
<th>CED</th>
<th>BW</th>
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% Rank: 10 10 25 20 10 25 15 10 20 10 20 15 10 5

EPD as of 12/15/18

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% Rank: 4 10 1 10 10 10 25 10 10 20 10 20 10 20

EPD as of 12/15/18

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% Rank: 1 4 25 2 2 30 30
His reputation for proven Calving Ease genetics and useful females have made COMRADE a household name from coast-to-coast.

Your heifers deserve the best! With COMRADE, you've made the right choice.

Our all-time high-selling beef bull, and he adds to his record each year!

Daughters are right-sized, possess a super udder design and mature into beautiful cows.

From Connealy Angus Ranch, NE

<table>
<thead>
<tr>
<th>EPDs as of 12/15/18</th>
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<th>Maternal</th>
<th>Carcass</th>
<th>C</th>
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<tbody>
<tr>
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<td>VV: 816 lbs / ratio 111</td>
<td>WW: 1419 lbs / ratio 113</td>
<td>Yr. SC: 35 cm</td>
<td>Yr. Frame: 5.9</td>
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<tr>
<td>CONNEALY CONSENSUS</td>
<td>CONNEALY CONSENSUS 7229</td>
<td>BLUE LILLY OF CONANGA 16</td>
<td>GAR NEW DESIGN 5050</td>
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<tr>
<td>HAPPY GEE OF CONANGA 919</td>
<td>HAP GINA OF CONANGA 260 965</td>
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Reg: 17031465
Tattoo: 1385
DOB: 2/2/2011

BW: 74 lbs / ratio 102
VW: 816 lbs / ratio 111
WW: 1419 lbs / ratio 113
Yr. SC: 35 cm
Yr. Frame: 5.9

CONNEALY CONSENSUS 7229
BLUE LILLY OF CONANGA 16
GAR NEW DESIGN 5050
HAPPY GEE OF CONANGA 919
HAP GINA OF CONANGA 260 965

EPDs as of 12/15/18

Production:

From Connealy Angus Ranch, NE
**14AN428 COLEMAN CHARLO 0256**

**CHARLO** is the cattlemen's kind and a breed changer for expansive rib shape, base width and muscle shape.
- Combines proven Calving Ease with phenotype and fleshing ability
- A great maternal sire ranking in the top 1 percent of the breed for $W and 3 percent for $EN
- Daughters have superior fleshing ability with excellent udder quality.
- CHARLO exhibits excellent foot quality and structural correctness.

**EPDs as of 12/15/18**

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<thead>
<tr>
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<th>BW</th>
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<th>MH</th>
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<th>CW</th>
<th>Marb</th>
<th>RE</th>
<th>Grp / Pg</th>
<th>Grp / Pg</th>
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% Rank 10 20 5 30 3 1

**OCC FOCUS 813F**

**OCC PAXTON 730P**

**OCC BLACKBIRD 736K**

**SITZ TRAVELER 8180**

**BOHI ABIGALE 6014**

**SAV ABIGALE 6062**

Daughter, Coleman Angus Ranch, MT

**From Coleman Angus, Sitz Angus and Jocko Valley Cattle, MT and Schaff Angus Valley, ND**

**7AN454 S CHISUM 255**

- CHISUM is a great cow-maker that adds depth of body and additional thickness. His daughters are what every cowman wants: moderate, easy fleshing, sound structured, wonderful udders, great feet and gentle dispositions.
- Outcross pedigree with Calving Ease for a lot of mating flexibility
- High SW and moderate mature weight and height gives you all the look while keeping replacements productive without excessive size
- A high-selling sire in 2018 – don’t miss out on having sons and daughters that standout in the herd

**EPDs as of 12/15/18**

<table>
<thead>
<tr>
<th>EPD</th>
<th>CED</th>
<th>BW</th>
<th>WW</th>
<th>YW</th>
<th>RADG</th>
<th>DMI</th>
<th>YH</th>
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<th>Milk</th>
<th>Hdg / Dht</th>
<th>MW</th>
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<th>Marb</th>
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</table>

% Rank 25 20 25 10 15

**From J C Heiken Angus and Shipwheel Cattle Co., MT and Spickler Ranch, ND**

**AAA Reg#: +16879074**

**OCC BLACKBIRD 736K**

**SITZ TRAVELER 8180**

**BOHI ABIGALE 6014**

**SAV ABIGALE 6062**

Daughter, Coleman Angus Ranch, MT

**From J C Heiken Angus and Shipwheel Cattle Co., MT and Spickler Ranch, ND**

**$30**

**$25**

**$25**

**14AN426 COLEMAN CHARLO 0256**

**7AN454 S CHISUM 255**

Spring 2019 Angus Breed Average EPDs

The next great Calving Ease sire from Schaff Angus Valley, RAINFALL's first progeny have improved his CED and BW EPD's.

He sires added length, soundness and unmistakable herd bull presence in his sons. His daughters are stunning in an elegant maternal package.

RAINFALL sets himself apart with his dominating hip and rear-leg structure with muscle shape and flawless phenotype.

A $Weaning leader that offers strong MARB and REA predictions in an easy fleshing, big-bodied, good footed design.

He brings Calving Ease, maternal strength and performance together - fundamental elements to build from.

From Schaff Angus Valley, ND and Square B Ranch and Cattle Co., MO

<table>
<thead>
<tr>
<th>EPDs as of 12/15/18</th>
<th>Production</th>
<th>Maternal</th>
<th>Carcass</th>
<th>C</th>
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| % Rank | 3 | 15 | 20 | 15 | 30 | 15 | 5 | 30 | 25 | 25 | 2 | 25 |

Spring 2019 Angus Breed Average EPDs


Your Success Our Passion.
7AN461 DEER VALLEY **TESTAMENT** 5202

◊ With an elite pedigree stacked with generations of proven industry standouts, **TESTAMENT** has great birth to yearling spread while holding down frame and transmitting phenomenal type.

◊ Double-digit Calving Ease with a great genomic profile and high Marbling

◊ A breed leader for $W and top rankings in carcass merit make him a candidate for the use list to improve profitability in all segments of the industry.

◊ **TESTAMENT** calves are very complete, nice patterned with a lot of growth.

From Deer Valley Farm, TN; R&D Owen Farms, KY and Edisto Pines, SC

Reg: 17577916  
Tattoo: 3222  
DOB: 2/4/2013

BW: 64 lbs / ratio 95  
WW: 975 lbs / ratio 122  
YW: 1437 lbs / ratio 112  
Yr. Sc: 38 cm  
Yr. Frame: 6.2

SAV FINAL ANSWER 0035  
CONNEALY CAPITALIST 028  
PRIDES PITA OF CONANGA 8821  
SITZ UPWARD 307R

DEER VALLEY RITA 0274  
GAR OBJECTIVE 2345

$20

**7AN418 DEER VALLEY PATRIOT 3222**

◊ He has become a mainstay proven sire that you can depend on for Calving Ease, extra growth, carcass merit and superb daughters.

◊ **PATRIOT** daughters in production are feminine, sound, and deep-bodied with good udder design and small teat size. He is one of the highest Heifer Pregnancy bulls in the entire breed!

◊ A Calving Ease, cow-maker sire with added growth and end product merit, he checks all the boxes.

◊ Proven pedigree with CAPTIALIST out of ALL IN’s dam

From Deer Valley Farm and Taylor Angus Farms, TN

Reg: 18196127  
Tattoo: 5202  
DOB: 2/1/2015

BW: 68 lbs / ratio 100  
WW: 850 lbs / ratio 107  
YW: 1237 lbs / ratio 110  
Yr. Sc: 36 cm

SAV FINAL ANSWER 0035  
CONNEALY CAPITALIST 028  
PRIDES PITA OF CONANGA 8821  
SITZ UPWARD 307R

DEER VALLEY RITA 0274  
GAR OBJECTIVE 2345

$25

EPDs as of 12/15/18  
Production Maternal Carcass $Value

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<tr>
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EPDs as of 12/15/18  
Production Maternal Carcass $Value

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Spring 2019 Angus Breed Average EPDs  
Maternal: HP: 10.4 CEM: 9 MILK: 24 MW: 28 MH: .3 SEN: -5.50  
7AN432 BARSTOW BANKROLL B73

◊ You won’t lose sleep at night with this Calving Ease heifer bull that doesn’t sacrifice on added performance.
◊ Offers a great spread from birth to yearling with plenty of maternal merit in HP and CEM.
◊ Look for moderate, functional daughters out of BANKROLL that are sure to please.
◊ Use BANKROLL to build replacement heifers and eye-stopping bull progeny alike.

From Barstow Angus, NE; David Dockter, ND and Hart Farms, SD

Reg: 18036327
Tattoo: B73
DOB: 2/14/2014

22 lbs / ratio 96
717 lbs / ratio 103
1435 lbs / ratio 111
39 cm
6.2

SITZ DASH 10277
BARSTOW CASH
BARSTOW QUEEN W16
CAR EFFICIENT S34
BARSTOW MISS DIANNA Z25
BARSTOW MISS DIANNA X128

14AN447 BARSTOW BANKER B76

AAA Reg#: 18034104

From Barstow Angus Ranch and Baldridge Bros., NE

- Double-digit Calving Ease and negative BW with added performance and phenotype
- Offers a very balanced trait profile, ranking in the top 15 percent of breed for CED, BW, WW, YW, DOC and $W
- Moderate framed with extra rib shape and muscle

SITZ DASH 10277
BARSTOW CASH
BARSTOW QUEEN W16
BARSTOW BLACKCAP Z20
BARSTOW BLACKCAP U123

EPDs as of 12/15/18
Production
CED: 15
BW: -1.5
WW: 66
YW: 120
RADG: .25
DMY: .35
YH: .4
SC: 1.41
DOC: .25
HP: 13.3
CEM: 15
MILK: 24
HD/D: 6
DEL: 0
SD: 39
SE: .3
EN: -14.06
Rad: .42
RD: .49
Doc: .041
F: 0
$W: 66.69
$F: 69.34
$G: 28.39
$B: 123.11

% Rank 10 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15

Production: CED: 6
BW: 1.3
WW: 52
YW: 92
RADG: .21
DMY: 25
YH: .4
SC: .74
DOC: 15
MILK: 10.4
CEM: 9
MILK: 24
DEL: 28
SE: .3
$EN: -5.50
$W: 48.33
$F: 49.14
$G: 32.37
$B: 115.11

SITZ DASH 10277
BARSTOW CASH
BARSTOW QUEEN W16
BARSTOW BLACKCAP Z20
BARSTOW BLACKCAP U123
22 | 2019 SIRE DIRECTORY

14AN520 BALDRIDGE E MARKSMAN D274

Reg: +18811638  
DOB: 4/22/2016  
Birth Wt: 88 lbs | ratio 114
205 Day Adj Wt: 687 lbs | ratio 98
365 Day Adj Wt: 1325 lbs | ratio 106
Yr. SC: 39 cm
Yr Fr: 5.6

Full Sister to MARKSMAN

- Quite possibly the most complete son of Baldridge Isabel Y69
- MARKSMAN offers a very balanced, no holes EPD profile that fits many mating applications.
- In the elite 1 percent of the Angus breed for Docility as well as excelling in Marbling, Ribeye and $Weaning
- He is a multi-purpose sire that is the complete package including excellent structure and phenotype with sound feet and a masculine herd bull look.

EPDs as of 12/15/18

<table>
<thead>
<tr>
<th>Production</th>
<th>Maternal</th>
<th>Carcass</th>
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<tr>
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<tr>
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<tr>
<td>% Rank</td>
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Ammen with high $W, $F, $G, $B

From Baldridge Bros., NE and Ray Sikes, CO

CONNEALY CONSENSUS 7229
MILL BAR HICKOK 7242
MILL BAR BEMINDFUL MAID 6304
STYLES UPGRADE J59
BALDRIDGE ISABEL Y69
BALDRIDGE ISABEL T935

$25

7AN519 BALDRIDGE CONDUCTOR E061

Reg: +18811638  
DOB: 1/11/2017  
Birth Wt: 88 lbs / ratio 114
205 Day Adj Wt: 687 lbs / ratio 105
365 Day Adj Wt: 1325 lbs / ratio 109
Yr. SC: 42 cm
Yr Fr: 6.3

Full Sister to CONDUCTOR

- A Confidence Plus son out of one of the most impactful females in the Angus breed, Y69
- CONDUCTOR is bold in his fore rib, square hipped, wide based with extra muscle.
- Study his EPD profile and you will find he is much like his sire. He excels across the board with a modest YW and MH and an elite combination of MARB and REA.
- Ideal mating on FORTRESS and NIAGARA daughters

EPDs as of 12/15/18

<table>
<thead>
<tr>
<th>Production</th>
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<tr>
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<td>BW</td>
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<tr>
<td>EPD</td>
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Spring 2019 Angus Breed Average EPDs


Full Sister to CONDUCTOR

From Baldridge Bros., NE
**7AN443 BALDRIDGE BRONC**

- **Reg:** +18229425
- **Tattoo:** C010
- **DOB:** 1/6/2015

**BRONC** has joined the ranks of a proven Calving Ease and spread bulls. He has been one of our top-selling bulls due to customer satisfaction and repeat business. His calves are born easily with extra vigor and grow rapidly with extra style and balance. **BRONC** exceeds his sire for frame size and captures your attention from every angle. His dam is one of the most prolific, high-impact donors in the Angus breed and she stems from the legendary, stud bull producing, Isabel cow family.

**From Baldridge Bros., NE; Mile High Angus, CO and Tuchsherer Angus, KS**

- **Daughter, Solid Rock Angus, KY**
- **Reg:** +18229425
- **Tattoo:** C010
- **DOB:** 1/6/2015

| BW | WW | YW | Hp | Cem | Milk | Hid/Dt | Mw | MH | $En | Cw | Marb | RE | Fat | Grp/Pg | Grp/Pg | Sw | $F | $G | $H
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<tr>
<td>74 lbs</td>
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<td>1355 lbs</td>
<td>14.1</td>
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<td>29</td>
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<td>.59</td>
<td>.050</td>
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**EPDs as of 12/15/18**

**Compass** is a double-digit Calving Ease sire in a great phenotype package. He is smooth-made, deep-bodied and offers great feet and legs. Dam is the famed Baldridge Isabel Y69, leading donor at Baldridge Bros., whose progeny consistently top their annual sale. PAP tested a 39 at 5,400 ft.

**From Baldridge Bros., NE; Mile High Angus, CO and Tuchsherer Angus, KS**

**14AN472 BALDRIDGE COMPASS CO41**

- **Reg:** +18229488
- **Tattoo:** C041
- **DOB:** 1/14/2015

**COMPASS** is a double-digit Calving Ease sire in a great phenotype package. He is smooth-made, deep-bodied and offers great feet and legs. Dam is the famed Baldridge Isabel Y69, leading donor at Baldridge Bros., whose progeny consistently top their annual sale. PAP tested a 39 at 5,400 ft.

**From Baldridge Bros., NE**

<table>
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<tr>
<th>CED</th>
<th>BW</th>
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<th>RADG</th>
<th>DMI</th>
<th>YH</th>
<th>SC</th>
<th>DOC</th>
<th>HP</th>
<th>CEM</th>
<th>Milk</th>
<th>Hid/Dt</th>
<th>Mw</th>
<th>MH</th>
<th>$En</th>
<th>Cw</th>
<th>Marb</th>
<th>RE</th>
<th>Fat</th>
<th>Grp/Pg</th>
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**EPDs as of 12/15/18**

**Production**

**Maternal**

**Carcass**

**$Value**

**Spring 2019 Angus Breed Average EPDs**

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<thead>
<tr>
<th>CED</th>
<th>BW</th>
<th>WW</th>
<th>YW</th>
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<th>SC</th>
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<th>73.47</th>
<th>70.48</th>
<th>44.71</th>
<th>139.08</th>
</tr>
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**Angus I Calving Ease**

**Your Success Our Passion**

23
7AN517 HOOVER COUNSELOR N29

◊ Easy-to-use bull that has a lot of base width, good feet and mating flexibility
◊ Want functional replacement heifers? Want sought after feeders? Why not both?
◊ Look for him to bring easy-calving progeny that excel in performance with added muscle.
◊ His EPD profile posts rankings that go in the right direction for nearly every trait.
◊ His top 1 percent Heifer Pregnancy puts him in the elite category for the breed.
◊ COUNSELOR is a full brother to Erica of Ellston L5 of the Hoover program, the dam of TOP NOTCH.

From Hoover Angus, IA and Borns Angus, SD

7AN465 HOOVER TOP NOTCH P409

◊ TOP NOTCH brings a blend of outstanding phenotype and awesome genotype to get excited about!
◊ His impressive EPD rankings coupled with his unique outcross pedigree makes for an intriguing breeding option.
◊ Reads very well across the page for EPD’s in Calving Ease, Birth Weight, weaning and yearling with awesome Ribeye and elite Heifer Pregnancy, too!
◊ His dam, Erica of Ellston L5, descends from one of Hoover’s top cow families.

From Hoover Angus Farm, IA; Baldridge Bros., NE and Ray Sikes, CO
Don't overlook this up-and-coming sire! He is doing a fantastic job and is truly one of a kind in terms of structure, sheer mass, dimension and depth of body with strong end product merit.

Consistently sires extreme depth of body and dimension with flawless skeletal structure.

UNIQUE writes a strong EPD script highlighted with a unique combination of maternal traits like DOC, HP, CEM and moderate mature size while excelling for CW, MARB and REA. He defies antagonisms.

Cow-maker sire who is rich in pedigree with two breed legends; WEIGH UP and 643T

From Deer Valley Farm and Taylor Angus Farms, TN
HOW DO YOU CARE FOR THEM WHEN THEY ARE DEHYDRATED?

SINGLE-DOSE PACKETS ARE NOW AVAILABLE!

FOR OPTIMAL ABSORPTION OF ELECTROLYTES AND WATER

Calf Accellyte

Addressing digestive upsets causing dehydration and electrolyte imbalance is critical. Calf Accellyte is a source of energy, electrolytes, and complex sugars for young calves during periods of stress. To help them stay hydrated and healthy, ask your representative for Calf Accellyte today!
**7AN525 SPRING COVE COMPOUND 12E**

- Elite Calving Ease sire with a lot of performance and end-product value
- Outcross pedigree that brings a lot to the table from every angle — maternal advantage, top growth in WW and YW and several other traits that rank in the top 25 percent and better
- Use COMPOUND to improve Marbling and bring that attractive look to your calf crop.
- Ideal mating on COMRADE and Consensus influenced females

From Spring Cove Ranch, ID

| Reg: 18875915 | BW: 56 lbs / ratio 75 |
| Tattoo: 12E | WW: 784 lbs / ratio 110 |
| DOB: 1/21/2017 | YW: 1200 lbs / ratio 109 |
| Yr. SC: 35 cm | |

**BW: 56 lbs / ratio 75**

**WW: 784 lbs / ratio 110**

**YW: 1200 lbs / ratio 109**

**Yr. SC: 35 cm**

**Reg: 18875915**

**Tattoo: 12E**

**DOB: 1/21/2017**

**KM BROKEN BOW 002**

**SPRING COVE CROSSBOW**

**SPRING COVE PRETTY 205**

**BASIN PAYWEIGHT 1682**

**SPRING COVE LIZA 507**

**SPRING COVE LIZA 309**

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**7AN516 RES DARK FIRE E612**

- Interesting combination of Calving Ease, performance and Marbling in a maternally oriented package
- DARK FIRE's top 2 percent $W and top 25 percent $B is intriguing, while still siring moderate-framed progeny that hit the target on WW and YW.
- Check out his rankings on SC, CEM, MILK and MARB!
- He is a long-made, stout, sound-structured bull with plenty of phenotype to go around and very well-balanced bull with a lot of years of use in front of him.

From Robert Elliott & Sons, TN

| Reg: 18746402 | BW: 61 lbs / ratio 105 |
| Tattoo: E612 | WW: 716 lbs / ratio 124 |
| DOB: 9/29/2016 | YW: 1431 lbs / ratio 117 |
| Yr. Frame: 5.7 | |

**BW: 61 lbs / ratio 105**

**WW: 716 lbs / ratio 124**

**YW: 1431 lbs / ratio 117**

**Yr. Frame: 5.7**

**Reg: 18746402**

**Tattoo: E612**

**DOB: 9/29/2016**

**CONNEALY IN SURE 8524**

**GAR SURE FIRE**

**RES ELELA 193 587 466**

**CHAIR ROCK 5050 GAR 8086**

**CONNEALY THUNDER**

**RES ELELA 919**

**PLATTEMERE DAISY 919**

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**7AN471 KF KIOWA 6151**

- Combine two of Select Sires' favorites, COMRADE and WEIGH UP, and you've got a bull that doesn't disappoint.
- Add huge performance with moderate frame size while still maintaining maternal profitability in an elite $W.
- Low birth weight and moderate CED, yet KIOWA still delivers on dimension, style and correctness.

From Koberstein Farms LLC, CO

| Reg: 18594249 | BW: 71 lbs / ratio 94 |
| Tattoo: 6151 | WW: 717 lbs / ratio 124 |
| DOB: 1/31/2016 | YW: 1391 lbs / ratio 113 |

**BW: 71 lbs / ratio 94**

**WW: 717 lbs / ratio 124**

**YW: 1391 lbs / ratio 113**

**Reg: 18594249**

**Tattoo: 6151**

**DOB: 1/31/2016**

**CONNEALY COMRADE 1385**

**HAPPY GEE OF CONANGA 919**

**PLATTEMERE DAISY K360**

**PLATTEMERE DAISY 373**

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**EPDs as of 12/15/18**

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**EPDs as of 12/15/18**

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**EPDs as of 12/15/18**

<table>
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<td>3</td>
<td>2</td>
<td>3</td>
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</table>
FERTILITY WITHOUT COMPROMISE

Select Sires has earned the well-deserved reputation for having the most fertile semen in the A.I. industry from astute dairy and beef owners. Our fertility advantage is consistently validated with each dairy sire summary by the national Sire Conception Rate (SCR) fertility comparisons. SCR is a third-party summary of pregnancy check validated data, summarized and published by the Council for Dairy Cattle Breeding (CDCB). The graph below shows Select Sires’ fertility advantage.

FERTILITY VERIFIED SIRES

While Select Sires’ beef bulls don’t accumulate nearly the number of conception records as our Holstein and Jersey sires, beef semen is evaluated through the same lab and held to the same rigorous standards as our dairy semen. Using conception data along with quality control evaluations, beef sires designated as Fertility Verified have been field tested and have achieved Select Sires’ industry-leading quality standards. Our brand promise of “Your Success, Our Passion” goes into every straw of semen we produce.
Superior fertility is about more than just what is inside the straw. Select Sires’ commitment to semen quality is an all-encompassing effort.

- The most advanced technologies in semen evaluation, processing, storage and handling are used from the beginning of our semen processing, all the way to the end-user. Select Sires’ commitment to semen quality is also frequently demonstrated by the significant amount of semen discarded that does not meet our rigorous standards for semen quality.

- Select Sires never compromises on our commitment to sire health, nutrition and care all of which help to provide sires that excel in the production of high-quality semen. Superior health testing protocols ensure all semen processed is safe and disease-free for use in a successful A.I. program.

- Prudent sire selection ensures we acquire not only the most genetically elite dairy and beef sires, but we are also committed to culling dairy and beef sires that appear destined for semen quality and fertility challenges.

- Product support is another layer of our fertility commitment. Select Sires has made a commitment to invest in the industry’s largest and most highly trained support network to help our dairy and beef customers maximize their reproductive outcomes.

- The final ingredient in Select Sires’ commitment to semen quality is our people who oversee the processes and procedures and “do it right” every day.

FERTILITY WITHOUT COMPROMISE
The Method Genetics index values are derived from Method Genetics EPDs combined with industry-focused economic weightings. The Method EPDs are generated from a multi-trait, ‘single-step’ genetic evaluation that uses performance measures, ancestral pedigree, and available DNA genotypes. This single-step approach incorporates the genotypes directly into the genetic evaluation process and was implemented at Method in the summer of 2014.

MATERNAL PRODUCTION INDEX (MPI):
The Maternal Production Index is reported in dollars per calf produced from the breeding herd with Angus-based genetics. It encompasses direct and maternal calving ease, heifer pregnancy, weaning growth, maternal milk, and mature size differences in a scenario where replacement females are retained and calves are marketed at weaning.

QUALITY POUNDS INDEX (QPI):
The Quality Pounds Index is reported in dollars per calf for herds with Angus-based genetics. It focuses on the terminal side of the herd’s business for feedlot gain and carcass merit genetic differences. There are no provisions for calving ease or maternal traits, with the assumption that all calves are under a retained ownership scenario fed out and marketed on a premium quality-based grid.

RETAINED OWNERSHIP INCOME (ROI):
Cattle producers interested in a complete production system approach from conception through carcass end-point can use the Retained Ownership Income index. ROI ties together reproduction, calving ease, maternal genetic merit, growth throughout the calf’s lifetime, and quality based carcass merit in an Angus-based herd. The ROI is reported in dollars per calf produced in the herd, and consolidates the sub-indexes of MPI and QPI.

Method Genetics™ Selection Index Key Used in the catalog

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<tr>
<th>Method Genetics Index / Percentile</th>
<th>MPI / %</th>
<th>QPI / %</th>
<th>ROI / %</th>
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<tr>
<td>167 / 1</td>
<td>166 / 1</td>
<td>300 / 1</td>
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Method Genetics Index Percentile Ranks (%):
A numeric ranking of the animal’s Index values on a 1% to 100% scale. A lower numeric value is considered more favorable. For example, a 25% presented with an index indicates that animal is in the upper 25 percent of the animals in the Method Genetics genetic evaluation for calves born in the last five years.

7AN542 GAR COMBUSTION

◊ Featured as the lot 1 bull in the spring 2019 Gardiner Angus Ranch Sale
◊ Combines two of the best Calving Ease and carcass bulls in the business, SURE FIRE and MOMENTUM
◊ Check out his Marbling EPD! If you want to change cattle, genetics like this will change them.
◊ Big-time growth projections and big-time end-product projections

From Gardiner Angus Ranch, KS

<table>
<thead>
<tr>
<th>Production</th>
<th>Maternal</th>
<th>Carcass</th>
<th>C</th>
<th>U</th>
<th>$Value</th>
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<tr>
<td>CED BW WW YW RADG DMI TH SC DOC</td>
<td>HP CEM MILK H/Ct MW MH $EN</td>
<td>CW Marh RE Fat Grp/Pg Grp/Pt</td>
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<td>15 30 20</td>
<td>19 1 10 30</td>
<td>4 1 1 1</td>
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</tbody>
</table>
With 17 traits and indexes ranking in the top 20 percent or higher, here’s truly a balanced trait superiority.

METHOD’s offspring have an eye-catching look combined with incredible performance.

A proven spread bull with maternal bonuses for DOC, HP and CEM

Reap rewards from METHOD’s Carcass Weight, Marbling and Ribeye,

value-added at its best.

From Gardiner Angus Ranch, KS and The Method Group

Angus-based genetics. It encompasses direct and maternal calving ease, maternal milk, and mature size differences. There are no provisions for calving performance measures, ancestral pedigree, and available DNA genotypes. This multi-trait, ‘single-step’ genetic evaluation that uses per-combined with industry-focused economic weightings. The Method EPDs are retained and calves are marketed at weaning.

The Method Genetics index values are derived from Method Genetics EPDs in a scenario where replacement females are focused on the terminal side of the herd’s business. It covers direct and lars per calf produced from the breeding herd with genetic evaluation process and was implemented at Method in the summer of 2014. Single-step approach incorporates the genotypes directly into the genetic performance measures.

The Maternal Production Index is reported in dollars. That all calves are under a retained ownership scenario fed out and marketed on a premium quality-based grid.

The ROI is reported in dollars tied together reproduction, calving ease, maternal genetic merit, growth throughout the calf’s lifetime, and quality based carcass merit.

Cattle producers interested in a complete production system approach from conception through carcass value-added at its best.

From Gardiner Angus Ranch, KS and Mayer Ranch, OK

◊ Extraordinary proven CED combined with a heaping helping of genetic carcass quality

◊ Worried about excessive size? Here’s a Calving Ease and carcass king with frame under control.

◊ With 17 traits and indexes ranking in the top 20 percent or higher, here’s truly a balanced trait superiority.

◊ One of the most unique bulls in the Angus breed, he’s a standout for both Marbling and Ribeye.

◊ When you decide to change the carcass character of your cow herd, start with MOMENTUM.

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**14AN541 G A R BONFIRE**

AAA Reg#: +18789776

Tattoo: K137

Connealy in Sure 8524

Born: 2/4/2017

GAR Sure Fire

Reg: 170

205 Day Adj Wt: 747 lbs | ET

Bar Ext Traveler 205

365 Day Adj Wt: 1429 lbs | ET

Cra Bextor 872 5205 608

Yr Scr Cl Circum: 39 cm

GAR Miss Focus 134

Yr Fr Score: 7.0

Whoa Nellie! If you're serious about making money in the cattle business, look in!

Boyd New Day 8005

**7AN361 G A R SUNRISE**

With over 200 actual carcass records, no other bull can match his combination of CW, Marb and REA

Mcc Daybreak

◊ The fame of SUNRISE daughters continues to grow. They're big-middled, good-footed and exhibit excellent udders.

Mcc Miss Focus 134

◊ Take advantage of end-product premiums and beautiful females with SUNRISE genetics

Ss Objective T510 0T26

From Gardiner Angus Ranch, Randy Bayne and Sellard Farms, KS

GAR 1407 New Design 2983

**7AN320 G A R PROPHET**

The only bull in the entire breed with his levels of CED, high growth and top 1 percent in Marbling

GAR Objective R227

◊ Talk about proof in the progeny – he's carcass proven with nearly 200 actual carcass records!

GAR 1407 New Design 2232

◊ PROPHET daughters excel for Docility, CEM, femininity and have great udder quality.

From Gardiner Angus Ranch, KS and CAM Ranches and Ogeechee Angus, GA

**EPDs as of 12/15/18**

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Whoa Nellie! If you're serious about making money in the cattle business, look in!

Boyd New Day 8005

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Spring 2019 Angus Breed Average EPDs

**Production**


**From Gardiner Angus Ranch, KS and Larry Mason, TN**

Connealy in Sure 8524

**GAR SURE FIRE**

**Boyd New Day 8005**

**MCC DAYBREAK**

**MCC Miss Focus 134**

**SS OBJECTIVE T510 0T26**

**GAR OBJECTIVE R227**

**GAR 1407 NEW DESIGN 2983**

**GAR OBJECTIVE 1885**

**GAR 1407 NEW DESIGN 2232**

**From Gardiner Angus Ranch, Randy Bayne and Sellard Farms, KS**

**From Gardiner Angus Ranch, KS and CAM Ranches and Ogeechee Angus, GA**

**From Gardiner Angus Ranch, KS and Larry Mason, TN**
7AN483 GAR PHOENIX

- Offering genetics for growth and carcass merit like few can
- Top 1 percent ranking for all three Method Indexes puts PHOENIX in rare company.
- PHOENIX posts incredible projections for a long list of traits while displaying an eye-pleasing phenotype.
- More quality pounds equals more profit!

From Gardiner Angus Ranch and Winter Family Ranch, KS

504X737¤ 536X755

$25

7AN482 GAR GENUINE

- Big-time spread with incredible projections for end-product premiums
- GENUINE's Method Index scores are all 1s and 2s, placing him among the elite of the elite.
- He has 18 traits ranking in the top 25 percent, offering plenty of traits for improvement.

From Gardiner Angus Ranch, KS

504X737¤ 536X755

$20

Spring 2019 Angus Breed Average EPDs


7AN518 GAR XCEPTIONAL

◊ Goodness gracious, what’s not to like? XCEPTIONAL sports 13 traits ranking in the top 10 percent of the entire Angus breed, including top 1 percent for both $W and $B - a profitable combination!
◊ Displays above-average muscle shape, a mid-sized frame and a durable foot and leg design

From Gardiner Angus Ranch, KS; Ogeechee Angus, GA and Mayer Ranch, OK

Reg: +18082928
Tattoo: 4080G
DOB: 2/19/2015

BW: 71 lbs / ET
WW: 621 lbs / ET
YW: 955 lbs / ET

Yr. SC: 38 cm
Yr. Frame: 5.7

Reg: +18082928
Tattoo: 4080G
DOB: 2/19/2015

BW: 71 lbs / ET
WW: 621 lbs / ET
YW: 955 lbs / ET

Yr. SC: 38 cm
Yr. Frame: 5.7

7AN362 GAR COMPOSURE

◊ Calving Ease and Docility are two very important traits for our customers and COMPOSURE excels for both.
◊ Over +1.0 for Marbling displays his ability to boost end-product premiums
◊ Top 2 percent for $Weaning and a proven CED has made COMPOSURE a favorite for commercial heifers

From Gardiner Angus Ranch and Randy Bayne, KS

Reg: +16496980
Tattoo: S689
DOB: 8/16/2009

BW: 76 lbs / ET
WW: 759 lbs / ET
YW: 1410 lbs / ET

Yr. SC: 38 cm
Yr. Frame: 5.7

Reg: +16496980
Tattoo: S689
DOB: 8/16/2009

BW: 76 lbs / ET
WW: 759 lbs / ET
YW: 1410 lbs / ET

Yr. SC: 38 cm
Yr. Frame: 5.7

7AN423 GAR 100X

◊ Delivers top 1 percent CED and Birth Weight along with major benefits for Marbling and Ribeye
◊ Offers improvements for the cow herd traits of Docility, Heifer Pregnancy and CEM
◊ With over 100 actual carcass records, 100X is proven to boost carcass quality.

From Gardiner Angus Ranch, KS; CAM Ranches, GA and Taylor Angus Farms, TN

Reg: +17774305
Tattoo: A3052
DOB: 9/22/2013

BW: 91 lbs / ET
WW: 724 lbs / ET
YW: 1015 lbs / ET

Yr. SC: 35 cm
Yr. Frame: 5.5

Reg: +17774305
Tattoo: A3052
DOB: 9/22/2013

BW: 91 lbs / ET
WW: 724 lbs / ET
YW: 1015 lbs / ET

Yr. SC: 35 cm
Yr. Frame: 5.5
Combining ALL IN with PROPHET creates a value proposition worth considering.

Profit-driven sire with a tremendous blend of performance, power and high maternal traits in a moderate package.

Impressive hind quarter and a balanced look while posting strong ratios for WW and YW.

ALL PROFIT is exactly what you’ll be saying about his progeny in the feed yard. High ranks in CW, MARB and REA will make him a favorite sire group for the close out sheets.

From Worthington Angus, MO

BW: 54 lbs / ratio 84
WW: 674 lbs / ratio 118
YW: 1104 lbs / ratio 107
Yr. SC: 38 cm
Yr. Frame: 5.1

Reg: 18659447
Tattoo: 576
DOB: 9/8/2015

$20

◊ Let this impressive EPD profile sink in and imagine what it could do for your operation. CHECK IT excels in a lot of categories.

◊ With a pedigree chocked full of proven industry leaders, this sire has unlimited potential.

◊ Great Calving Ease, low birth, top yearling, and an off-the-charts Marbling and Ribeye blend make CHECK IT an easy go to bull to use.

From Hinkle's Prime Cut Angus, MO

BW: 57 lbs / ratio 89
WW: 590 lbs / ratio 101
YW: 1233 lbs / ratio 102
Yr. SC: 37 cm
Yr. Frame: 6.2

Reg: +18759682
Tattoo: Z316
DOB: 9/6/2016

$18

◊ ALL IN is a safe bet as a proven spread bull that combines performance with some of the best known household names in the Angus breed in his pedigree.

◊ Multiple generations deep of industry favorites make this sire an easy choice when you're in need of a dependable answer.

◊ Daughters of ALL IN deliver on CED, CEM and excellent udders.

◊ Looking for Calving Ease, performance, end carcass merit and maternal advantage? ALL IN has it all!

From Deer Valley Farm, TN; Ken McMichael and Bridges Angus Farm LLC, GA

BW: 69 lbs / ratio 101
WW: 772 lbs / ratio 102
YW: 1444 lbs
Yr. SC: 43 cm
Yr. Frame: 6.0

Reg: 17307074
Tattoo: 2138
DOB: 1/23/2012

$25

Spring 2019 Angus Breed Average EPDs

Production:
Maternal:
HP: 10.4  CEM: 9  MILK: 24  MW: 28  MH: .3  $EN: -.50
Carcass:

EPDs as of 12/15/18

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% Rank 25 4 5 25 15 1 25 10

$20

$18

$25
Blaze a new trail with one of the most elite numbered young sires in the breed. He combines a breed leading, no holes EPD profile with a powerful phenotype and added eye-appeal. Exciting mating flexibility with a different twist on the bottom side of his pedigree. Double-digit Calving Ease coupled with top 1 percent WW, YW, SW, SF, SQG and SB. He does it all with his maternal predictions for DOC, HP and CEM with moderate milk.

From Ferguson Angus, KS

**7AN523 FERGUSON TRAILBLAZER 239E**

- **BW:** 67 lbs / ratio 89
- **WW:** 589 lbs / ratio 100
- **YW:** 1402 lbs / ratio 113
- **Reg:** 18996007
- **DOB:** 2/18/2017
- **Tattoo:** 239E
- **℃**: Blaze a new trail with one of the most elite numbered young sires in the breed.
- ** SECURITY**: He combines a breed leading, no holes EPD profile with a powerful phenotype and added eye-appeal. Exciting mating flexibility with a different twist on the bottom side of his pedigree. Double-digit Calving Ease coupled with top 1 percent WW, YW, SW, SF, SQG and SB. He does it all with his maternal predictions for DOC, HP and CEM with moderate milk.

From Ferguson Angus, KS

**14AN377 A A R TEN X 7008 S A**

AAA Reg#: 15719841

- **Tattoo:** 7008
- **Born:** 2/9/2007
- **Birth Wt:** 78 lbs / ratio 97
- **205 Day Adj Wt:** 755 lbs / ratio 112
- **365 Day Adj Wt:** 1344 lbs / ratio 116
- **Yr Scrtl Circum:** 37 cm
- **Yr Fr Score:** 5.5

- **TEN X, the No. 1 sire in the Angus breed for Registrations in 2015 and 2016**
- **A Pathfinder Sire with added carcass merit, and a 1.00 Marbling EPD.**
- **Ranks in the top 10 percent of breed for SW and SB**

From Bodner Angus, Rollin Rock Angus, Arntzen Angus Ranch and Stein Angus Acres, MT

**14AN439 V A R INDEX 3282**

AAA Reg#: +17513381

- **Tattoo:** 3282
- **Born:** 4/1/2013
- **Birth Wt:** 77 lbs / ET
- **205 Day Adj Wt:** 638 lbs / ET
- **365 Day Adj Wt:** 1211 lbs / ET
- **Yr Scrtl Circum:** 33 cm

- **INDEX is bred to increase carcass traits while maintaining a moderate BW and CED.**
- **He ranks in the top 1 percent of the breed for REA at 1.29 and top 25 percent of the breed for Marbling and SB.**
- **He provides a great mating option for improving carcass traits while keeping offspring moderate framed.**
- **Calves have been well-received for moderate birth weights, muscle shape and capacity**

From Vintage Angus Ranch and EZ Angus Ranch, CA and 44 Farms, TX

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**ANGUS | GENOMICS**

Spring 2019 Angus Breed Average EPDs

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**Angus | Genomics**

Spring 2019 Angus Breed Average EPDs

- **Carcass:** CW: .36  Marb: .50  RE: .47  Fat: .012  $W: 48.33  $F: 49.14  $G: 32.37  $B: 115.11
This genomic champion ranks in the top 10 percent or higher for an astounding 15 traits and indexes. It pushes the envelope for growth and carcass merit while offering benefits for DOC, HP, and CEM. Built from a lineage of breed leaders, PEYTON's genetic offering will truly change cattle.

From Edgewood Angus LLC, VA and Dave Dockter, ND

**7AN510 E W A PEYTON 642**

- **Reg:** 18675107
- **Tattoo:** 642
- **DOB:** 9/7/2016

**EPDs as of 12/15/18**

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**From Edgewood Angus LLC, VA and Dave Dockter, ND**

**Sim, 7AN427 MANNING**

**EPD**

5.0 ANGUS | GENOMICS

**ANGUS** | **GENOMICS**

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**FIRST DAY FORMULA**

There is never a second chance for their first feeding. First Day formula® is made with 100% dried bovine colostrum providing the protective benefits newborn calves need to optimize immune development and health. First Day formula offers consistency for every calf with the research-based recommended amount of IgG and biosecurity from transmissible diseases, as well as feeding convenience whenever timing is a factor.

To give your new born ideal colostrum replacement or to supplement maternal colostrum. CONTACT YOUR LOCAL REPRESENTATIVE TO LEARN MORE!
SECURING A GROWING FUTURE

44 Farms produces Angus cattle focused on providing well-balanced, relevant genetics to producers to improve their opportunities for success.

44 Farms has teamed up with Select Sires to provide proven, predictable, value-added genetics to commercial customers to keep them in business for the long haul. Focusing on maximizing pregnancies for our customers with the highest fertility semen and industry leading service, we make it easy to increase profitability and add value to your bottom line.

We recognize the importance maternal characteristics play in your breeding decisions — that’s why we keep our genetic offerings balanced and versatile. Whether you are looking to sell heavy calves, retain ownership or retain replacements for your operation, you’ll be covered.

Through the use of 44 Farms genetics, you have unique access to two of our innovative supply chains that reward progressive commercial cow/calf producers for utilizing superior genetics and participating in comprehensive vaccination and management practices. Put simply — if you qualify for the program, 44 Farms will be a bidder on your calves.

The 44 Farms Feeder Calf and Prime Pursuits Buy-Back Programs are designed to add value to commercial producers’ bottom line — all while making our industry stronger and providing a higher quality product for the end consumer. From genetic selection through harvest — you’ll have access to key, real world data to know how your calves perform in order to best manage your operation for optimal profitability.

QUESTIONS?

Please contact us with any questions regarding the 44 Farms buy-back programs:

(254) 897-4401 • info@44farms.com • www.44farms.com

For semen inquiries, please contact your local Select Sires Representative.
HOW DO I QUALIFY FOR THE 44 FARMS BUY-BACK PROGRAMS?

Requirements for our two separate buy-back programs are detailed below. These benchmarks enable us to ensure the highest quality cattle for the ultimate endpoint for our consumers. Although we understand these criteria will not fit every cattle raiser’s program, those who participate will reap the full benefits of joining the 44 Farms program. Every 44 Farms bull offered by Select Sires is qualified for our buy-back programs.

FEEDER CALF BUY-BACK PROGRAM

- Never-Ever (NE3). No Antibiotics, No Hormones and No Ionophores
- All Natural Certification
- Predominately Sired by 44 Farms Genetics
- Meet the USDA Definition of Angus
- Follow Our RightWay™ Animal Health Protocols
- Weaned for a Minimum of 15 Days
- No More Than 90 Days from Youngest to Oldest in Group
- Subject to Minimal Sort by a 44 Farms Representative to Ensure Uniformity

PRIME PURSUITS BUY-BACK PROGRAM

- No Hormones Added
- Predominately Sired by 44 Farms Genetics
- Meet the USDA Definition of Angus
- Follow Our RightWay™ Animal Health Protocols
- Weaned for a Minimum of 15 Days
- No More Than 90 Days from Youngest to Oldest in Group
- Subject to Minimal Sort by a 44 Farms Representative to Ensure Uniformity

FEATURED 44 FARMS CALVING EASE BULLS

44 Bragging Rights 4372
DOB: 9/16/2014 | BULL: +17894794 | TATTOO: 4372

VAR Index 3282
DOB: 4/1/2013 | BULL: +17513381 | TATTOO: 3282
Bolster your breeding season with 44 Farms’ herdsire, ARSENAL!
An explosive growth son of Waylon that brings unmatched performance and end-product merit to any program
A moderate birth sire with outstanding WW and YW numbers that is catching the attention of lots of breeders
Exciting profit potential as a low-intake, high-performance bull that has elite CW, MARB and REA EPD’s that rank him at the top of the breed
Whether it’s pounds on the scale or value on the rail, ARSENAL® is a must-use sire for transmitting value.

From 44 Farms, Ronnie Foley and Elm Creek Cattle Co., TX

<table>
<thead>
<tr>
<th>EPDs as of 12/15/18</th>
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<th>Maternal</th>
<th>Carcass</th>
<th>$Value</th>
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<td>SEN</td>
<td>CW Milk</td>
<td>Gp/Ps Grp/Ps</td>
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EPDs as of 12/15/18
Production Maternal Carcass $Value
CED BW WW YW YH SC DOC HP CEM MILK HP YH MM SH SEN CW Milk Gp/Ps Grp/Ps SW $W $F $G $B
EPD 3 2.4 69 127 .37 -.09 .2 -.66 25 10.1 12 19 0 78 .8 -13.43 14 | 60 .88 1.08 -.017 0 | 14 14 | 196.15 |
Acc .56 .81 .74 .53 .29 .29 .58 .49 .48 .26 .33 .34 0 .35 .40 | .49 .41 .42 .38 0 | 20 20 |
% Rank 10 10 25 10 10 15 3 10 10 15 2 4 3 4 1

If you’re looking for proof, DISCOVERY has proven himself to be one of the multi-trait excellence sires in the breed, ranking in the top 5 percent of the breed for WW, YW, SC, MARB and SW.
Both sons and daughters continue to top sales across the country

From Vintage Angus Ranch, CA and 44 Farms, TX

<table>
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<tr>
<th>EPDs as of 12/15/18</th>
<th>Production</th>
<th>Maternal</th>
<th>Carcass</th>
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<td>CED BW WW YW YH SC DOC</td>
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<td>.35 .40 9.14</td>
<td>.41 .42 .38 0</td>
<td>20 20</td>
</tr>
</tbody>
</table>
% Rank 10 10 15 10 10 10 10 10 10 5 15 1 3 1
Proven Calving Ease with added Marbling and Ribeeye from the dam of FORTRESS.

CITATION is an impressive sire that is moderate-framed, long-bodied, straight lined and exhibits plenty of muscle expression with base width.

His progeny are born easy and are structurally sound with extra eye appeal.

Use with confidence on heifers to add end-product value and improve structure without giving up performance.

From Knoll Crest Farm, VA and 44 Farms, TX

Reg: 18476755
Tattoo: C622
DOB: 9/29/2015

PROOF POSITIVE

74 lbs / ratio 93
798 lbs / ratio 121
1315 lbs / ratio 120
Yr. SC: 36 cm
Yr. Frame: 5.9

From Knoll Crest Farm, VA and 44 Farms, TX

BW: 74 lbs
WW: 798 lbs
YW: 1315 lbs
Reg: 18476755
Tattoo: C622
DOB: 9/29/2015

CONNEAL Y CONSENSUS
KCF BENNETT CONSENT Y75
THOMAS PATRICIA 9705
KCF MISS PROTEGE W148
SS OBJECTIVE T510 0T26
THOMAS PATRICIA 71138

Consistently sires extra depth of body and fleshing ability with dependable performance. His progeny continue to be standouts at 44 Farms.

A proven low Birth Weight spread bull with exceptional end-product values and a breed leader for Docility.

High ranking for $Energy with modest milk and extra fleshing ability. A cow-maker sire for harsh, low input environments.

Excellent choice for larger framed females that need body depth and capacity.

From 44 Farms, TX and Twelve Stones Ranch, AR

Reg: +17894794
Tattoo: 4372
DOB: 9/16/2014

AAR TEN X 7008 SA
VAR DISCOVERY 2240
44 RUBY 2357
DEER VALLEY RITA 0308
CONNEALY CAPITALIST 028
44 RUBY X110

MAIN STREET combines the two most prominent cow families in the 44 Farms program with 44 Ruby 2357 and Lucy 11209.

Excellent Calving Ease and growth predictions plus carcass merit with top 10 percent CED, WW, YW and MARB. MAIN STREET offers tremendous maternal advantage with elite HP and $W.

He is a stout featured, wide-bodied bull with tremendous width of top and muscle expression.

From 44 Farms, TX

Reg: 18770757
Tattoo: 7049
DOB: 2/19/2017

AAR TEN X 7008 SA
44 MAIN Attraction 4793
DA ES RO LUCY 11209
CONNEALY CAPITALIST 028
44 RUBY X110

EPDs as of 12/15/18

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<th>Milk</th>
<th>Hd/Dr</th>
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<th>SEN</th>
<th>CW</th>
<th>Marb</th>
<th>RE</th>
<th>Fat</th>
<th>Grp/Pg</th>
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% Rank 10 20 30

EPDs as of 12/15/18

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% Rank 3 15 10

EPDs as of 12/15/18

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% Rank 10 25 10

Spring 2019 Angus Breed Average EPDs

Production: CED 6 BW 1.3 WW 52 YW 92 RADG 21 DMI 25 YH 4 SC 74 DOC 15 Maternal: HP 10.4 CEM 9 MILK 24 MW 28 MH 3 SEN -5.50

Carcass: CW 36 MARB .50 RE .47 FAT .012 $W 48.33 $F 49.14 $G 32.37 $B 115.11

Your Success Our Passion.
7AN419 CTS REMEDY 1T01

◊ Appropriately named for his ability to fix foot and leg issues in one generation, REMEDY is one of the highest foot score bulls in the breed.
◊ A high customer satisfaction bull that provides outcross genetics stacked with high maternal sires that have stood the test of time.
◊ Sires eye-appealing cattle that are deep-ribbed, level-hipped and possess structural integrity.
◊ His daughters are deep and broody with excellent udder quality while his sons are powerful bulls that are wide-based, stout-featured and are well accepted in the commercial sector of the beef business.

From Ellingson Angus, ND and The 1T01 Group, TN

BW: 65 lbs / ratio 100
WW: 749 lbs / ratio 107
YW: 1443 lbs / ratio 110
Yr. SC: 38 cm
Yr. Frame: 6.0
Reg: 17331233
Tattoo: 1T01
DOB: 8/23/2011

BALDRIDGE KABOOM K243 KCF
CONNEALY THUNDER
PARKA OF CONANGA 241
LT 598 BANDO 9074
CTS 7V03 BELLEMERE MAID 902
SVA RITA 7V03 OF 1407 502

14AN527 T/D PATTON 771

An exciting JVC Calvary son that is moderate framed with added muscle shape and substance.
In addition to excellent phenotype, he ranks in the top 2 percent of the breed for both WW and YW EPDs.
Combines growth, maternal and carcass value into one complete package.
He excels in the maternal traits of Docility and Heifer Pregnancy while ranking in the top 4 percent of the breed for $W.

From TD Angus, NE
Looking for something different? PROTOCOL is a proven cow-maker that excels for the intangibles like fleshing ability, udder quality and foot design.

His breed-leading growth, maternal values and end-product merit make him a unique breeding piece.

His moderate-sized daughters are highly productive females with longevity.

He is a breed-changer for Docility.

From Raymond & Sons Inc., OR and Crouthamel Cattle Co., WA

### 7AN460 CROUTHAMEL PROTOCOL 3022

- **Reg:** 17570263
- **Tattoo:** 3022
- **DOB:** 1/10/2013
- **BW:** 87 lbs / ratio 99
- **WW:** 805 lbs / ratio 108
- **YW:** 1480 lbs / ratio 114

Looking for something different? PROTOCOL is a proven cow-maker that excels for the intangibles like fleshing ability, udder quality and foot design. His breed-leading growth, maternal values and end-product merit make him a unique breeding piece. His moderate-sized daughters are highly productive females with longevity. He is a breed-changer for Docility.

From Raymond & Sons Inc., OR and Crouthamel Cattle Co., WA

### 14AN481 BARTELS TITANIUM 621

- **Reg:** 18322116
- **Tattoo:** 521
- **Born:** 2/3/2015
- **Birth Wt:** 75 lbs | ratio 97
- **205 Day Adj Wt:** 763 lbs | ratio 109
- **365 Day Adj Wt:** 1390 lbs | ratio 104
- **Yr Scrtl Circum:** 35 cm

The next generation PLATINUM son
- Double-digit CED with added growth, performance and maternal value
- Ranks in the top 5 percent of the breed for WW and SW
- He is a moderate-framed bull with added muscle shape and dimension.
- His dam is a moderate-framed, nice-uddered Capstone daughter.

From Bartels Angus, NE
The NEW ESTROTECT™ Breeding Indicator featuring patent pending Breeding Bullseye™ technology makes it easier than ever to identify cows that are in heat, pinpoint timing for AI and Timed AI protocols, as well as confirm successful pregnancies.

According to third-party research, when the new ESTROTECT™ Breeding Bullseye™ is rubbed off by mounting activity, cows are up to three times more likely to conceive. Not only does ESTROTECT™ with the Breeding Bullseye™ indicate when a cow is in heat, it tells you exactly when the animal should be bred to achieve optimal results.

To learn more about the new and improved ESTROTECT™ featuring the Breeding Bullseye™, visit www.ESTROTECT.com!
The NEW ESTROTECT™ Breeding Indicator featuring patent pending Breeding Bullseye™ technology makes it easier than ever to identify cows that are in heat, pinpoint timing for AI and Timed AI protocols, as well as confirm successful pregnancies.

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©2018 ESTROTECT. ESTROTECT and As Good As A Bull are trademarks of Rockway, Inc.

◊ This proven sire balances EPDs, excels for convenience traits and makes super daughters.
◊ Here’s great foot quality, super udders and high $Weaning in one great bull.

From Connealy Angus Ranch, NE and 44 Farms, TX

From Connealy Angus Ranch, NE and Way View Cattle Co. and Claylick Run Farm, OH

Spring 2019 Angus Breed Average EPDs

Production:

EPDs as of 12/15/18

**Production**

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<thead>
<tr>
<th>EPD</th>
<th>CED</th>
<th>BW</th>
<th>WW</th>
<th>YW</th>
<th>RADG</th>
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<tbody>
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| % Rank | 15 | 30 |

**Maternal**

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| % Rank | 15 | 25 | 15 | 20 | 30 | 30 | 30 | 15 | 15 | 25 | 10 |

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| % Rank | 15 | 30 |

**Production Maternal Carcass C U $Value**

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| % Rank | 15 | 25 | 15 | 20 | 30 | 30 | 30 | 15 | 15 | 25 | 10 |

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XC-20 SIGNATURE

Engineered for the farm

The XC-20 Signature is engineered specifically for farm use by our precision manufacturing design. The XC-20 Signature includes our Bend Don’t Break and Semen Safe technologies enhancing the durability and efficiency of the tank. The liquid nitrogen safety deflector diverts liquid nitrogen away from the pump-out valve in case of liquid nitrogen overflow.

Chart/MVE Industries Inc.
407 7th St NW
New Prague, Minnesota, USA, 56071
Tel: 1-800-683-1387
MVE.Request@chartindustries.com
© 2018 Chart Industries, All Rights Reserved
Deep-bodied, huge-topped, wide-based and easy fleshing, a real “tank” of a bull

A trait leader for Docility that is positive for $Energy while ranking in the top 15 percent of the Angus breed for WW, YW, SC, CW, $W, $F and $B

A low-input sire that can be used to reduce mature size and add capacity

From Deer Valley Farms, TN and David Daily, AL

SAV FINAL ANSWER 0035
SANDPOINT BUTKUS X797
GAR GRID MAKER 4603
CONNEALY ONWARD
SITZ HENRIETTA PRIDE 643T
SITZ HENRIETTA PRIDE 81M

EPDs as of 12/15/18

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As stout as his name implies, GUINNESS is a massive-bodied bull that puts the pounds to his progeny and is complimented by his chart-topping MARB and moderate mature size.

Proven sire that makes great daughters that are deep, easy doing and have excellent udders

Outcross pedigree offers tons of mating flexibility

From Connealy Angus Ranch and Jindra Angus, NE

CONNEALY FULL FREIGHT
CONNEALY DUBLIN 8223
BLACK RINA OF CONANGA 69
EGL TARGET 1148
PANDA OF CONANGA 3609
PANDERRA OF CONANGA 750

EPDs as of 12/15/18

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Spring 2019 Angus Breed Average EPDs


Your Success. Our Passion.
7AN430 COLEMAN VENTURE 403

- Maternal brother to REGIS out of CAPITALIST with high CED and below average birth
- With more than enough performance, don’t miss out on his Heifer Pregnancy and Calving Ease Maternal numbers.
- A cow-maker that will bring added dimension and body while moderating frame score, improving udders and keeping milk in check.

From Coleman Angus, MT; Lawson Family Farms, VA and Double D Farms, TN

- Reg: +17915922
- Tattoo: 403
- DOB: 1/10/2014
- BW: 85 lbs / ET
- WW: 761 lbs / ET
- YW: 1268 lbs / ET
- Yr: SC: 35 cm

SAV FINAL ANSWER 0035
CONNEALLY CAPITALIST 028
PRIDES PITA OF CONANGA 8821
CONNEALLY ONWARD
COLEMAN DONNA 714
COLEMAN DONNA 386

14AN503 COLEMAN ENGAGE 5255

- Moderate milk and high for $EN and HP, one of our best for low input environments
- Use ENGAGE to moderate frame size, and bring profitability to the herd with his high SW.
- Sires that deep-bodied, maternal look, while still transmitting plenty of power and balance

From Gartner-Denowh Angus Ranch and Chad Denowh, MT

- Reg: 18402687
- Tattoo: 5255
- Born: 7/10/2015
- Birth Wt: 89 lbs | ratio 102
- 205 Day Adj Wt: 826 lbs | ratio 117
- 365 Day Adj Wt: 1327 lbs | ratio 118
- Yr Scrtl Circum: 37 cm

OCC PAXTON 730P
COLEMAN CHARLO 0256
BOHI AIBIGALE 6014
COLEMAN REGIS 904
COLEMAN EVERELDA ENTENSE1169
COLEMAN EVERELDA ENTENSE 578

- The best CHARLO son to date, he offers more bone and stoutness than his sire! Reads well for CED, performance and maternal traits.
- Use ENGAGE to moderate frame size, and bring profitability to the herd with his high SW.
- Sires that deep-bodied, maternal look, while still transmitting plenty of power and balance

7AN367 GDAR HEISMANN 1705

- Moderate milk and high for $EN and HP, one of our best for low input environments
- Use this proven heifer bull to add fleshing ability and to help keep frame size under control.

From Gartner-Denowh Angus Ranch and Chad Denowh, MT

- Reg: 16944751
- Tattoo: 1705
- Born: 1/27/2011
- Yr SCntl: 39 cm

SITZ UPWARD 307R
SITZ DASH 10277
GDAR GAME DAY 449
GDAR FOREVER LADY 939
GDAR FOREVER LADY 6242

EPDs as of 12/15/18

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**7AN384 CONNEALY COURAGE 25L**

- **One of the breed’s best for combining Calving Ease, muscle and moderate mature size**
- **Daughters are feminine, easy-keeping, broody and gorgeous-udderred**
- **A $Weaning leader that is positive for $EN**
- **A high customer satisfaction sire on multiple continents**

From Connealy Angus Ranch, NE; Way View Cattle Co., OH and Raymond Haugen, ND

![Image of 7AN384 Connealy Courage 25L](image1.png)

**EPDs as of 12/15/18**

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**Spring 2019 Angus Breed Average EPDs**

- **Carcass:** CW: 36 MARB: .50 RE: .47 FAT: .012 $W: 48.33 $F: 49.14 $G: 32.37 $B: 115.11

---

**7AN401 HOOVER ELATION M123**

- **One of our favorites for siring easily born calves with quality**
- **Reliable Calving Ease and maternal greatness! Check out his elite Docility, moderate mature size and ideal milk EPD.**
- **One of the breed’s best for Heifer Pregnancy**
- **ELATION’S pedigree provides lots of mating flexibility on daughters of COMRADE, FORTRESS, HORIZON, NIAGARA and REMEDY.**

From Hoover Angus, IA

![Image of 7AN401 Hoover Elation M123](image2.png)

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7AN445 SAV DROVER 5611

- A powerfully constructed Resource son who is wide-based, bold-sprung, deep-ribbed and sound structured, this sire is as thick as you will find and stands on excellent feet.
- Pedigree is stacked with high maternal sires including Rito 707, Resource, 004, 5175, Ext and New Trend
- Best used on larger-framed cattle or on refined females to add capacity, base width and muscle shape

From Schaff Angus Valley, ND

Reg: +18258000  BW: 76 lbs / ratio 94
Tattoo: 5611  WW: 946 lbs / ratio 100
DOB: 1/10/2015  YW: 1543 lbs / ratio 102
Yr. SC: 40 cm  Yr Scrtl Circum: 37 cm
Reg: +18258000  TATTOO: 5611
RITO 707 OF IDEAL 3407 7075
SAV RESOURCE 1441
SAV EMBLYNETTE 3301
SAV BLACKCAP MAY 4136
SAF 598 BANDO 5175

14AN534 AAR RUSSELL 7098

AAA Reg#: 18917471
Tattoo: 7098
Born: 2/7/2017
Birth Wt: 80 lbs | ratio 92
205 Day Adj Wt: 759 lbs | ratio 107
365 Day Adj Wt: 1340 lbs | ratio 109
Yr Scrtl Circum: 37 cm
Yr Fr Score: 6.0

- RUSSELL is a Calving Ease Resource son that exceeds his sire for frame size, Docility and Milk.
- He exhibits tremendous length of body with a long, level hip, smooth shoulder and extra neck extension with plenty of body depth.
- His dam is a model Franklin daughter with excellent production.
- Utilize this unique genetic package for Calving Ease and to produce daughters that will stay in the herd.

From Artzen K7 Angus, MT

14AN351 SAV THUNDERBIRD 9061

AAA Reg#: 16396499
Tattoo: 9061
Born: 2/26/2009
Birth Wt: 66 lbs | ratio 87
205 Day Adj Wt: 944 lbs | ratio 104
365 Day Adj Wt: 1498 lbs | ratio 103
Yr Scrtl Circum: 37 cm

- A proven low birth weight sire that you can use with confidence.
- His pedigree stacks the breed-leading genetics of the proven Calving Ease sires, Final Answer and Bismarck.
- Pathfinder Sire that is positive for $EN

From Schaff Angus Valley, ND and Double R Bar Ranch, IN

Spring 2019 Angus Breed Average EPDs

Maternal: HP: 10.4  CEM: 9  MILK: 24  MW: 28  MH: .3  $EN: -5.50
**7AN467 S A V SUPERCHARGER 6813**

- **RITO 707 OF IDEAL 3407 7075**
- **SAV RECHARGE 3436**
- **SAV BLACKCAP MAY 4136**
- **SAF 598 BANDO 5175**
- **SAV MADAME PRIDE 0075**
- **SAV MADAME PRIDE 8264**

- **RECHARGE's best son; breed-leading performance, structurally correct with a flawless phenotype and excellent breed character**
- **Pedigree is packed with maternal power combining two of the best cows in the SAV program, 0075 and 4136 - expect high quality daughters**
- **First calf crop has been visitor favorites at SAV because of the powerful performance and stunning profile**
- **Supercharge your breeding program by adding elite type and performance to your next calf crop.**

From Schaff Angus Valley, ND and Square B Ranch and Cattle Co., MO

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**7AN426 SAC CONVERSATION**

- **BT CROSSOVER 758N**
- **SILVEIRAS CONVERSION 8064**
- **EXG SARAS DREAM 5609 R3**
- **SAV 004 PREDOMINANT 4438**
- **SAV MADAME PRIDE 8264**

- **One of our most admired for his phenotype, he is wide-based, square-hipped, and exhibits tremendous depth of body and rib shape while adding muscle.**
- **He offers mating flexibility while moderating size, improving eye appeal and giving progeny a soft look.**
- **Excellent choice for large-framed cattle that need more depth, width and muscle**
- **Has produced numerous show winners throughout the U.S.**

From Schermer Angus, IA; Silveria Brothers, CA and The Conversation Group

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</table>
Accuracy. No less.

The benefits of CowManager®

- 24/7 eye on your herd
- The most accurate product on the market
- Save labor and ensure a sustainable herd
- Simply use the ear tag sensor
- Fantastic 24/7 support at your disposal

Ask your Select Sires representative about the benefits of CowManager!

“CowManager allows me to keep a good handle on what is going on with cows or heifers in heat without being there to watch them. I really like the CowManager app. I am able to watch the alert data all day long. The information provided allows me to determine when to breed cows based on the data. With the help of CowManager, we were able to get an A.I. service into nearly every cow and heifer before they went to summer pasture with clean-up bulls. I am looking forward to using CowManager to improve our success in putting in embryos. I like this system a lot and have recommended it to other beef cattle owners.”

Wayne Fischer, Stonecreek Black Angus, Freeport, IL
14AN450 CONNEALY GLORY 4127

For those who appreciate cattle with moderate birth weights, solid growth, excellent carcass value and maternal function
- Attractive patterned bull that offers added substance, capacity and dimension to his progeny
- A perfect blend of growth, maternal and carcass value in one package, ranking in the top 10 percent of the breed for both SW and $B
- He ranks near the top of the breed for Docility with a plus 32 EPD.
- His dam is a moderate-framed female with tremendous capacity and excellent udder quality.

<table>
<thead>
<tr>
<th>EPDs as of 12/15/18</th>
<th>Production</th>
<th>Maternal</th>
<th>Carcass</th>
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7AN474 CONNEALY BLACKHAWK 6198

- One of the breed’s most elite growth sires while keeping BW in check
- BLACKHAWK will add frame size, performance, body length and stoutness.
- He offers strong maternal qualities too, ranking in the top 1 percent for $W with elite SC, DOC and HP.
- BLACKHAWK will sire scale-crushing feeder cattle and high-quality, maternal, strong daughters.

<table>
<thead>
<tr>
<th>EPDs as of 12/15/18</th>
<th>Production</th>
<th>Maternal</th>
<th>Carcass</th>
<th>$Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CED</td>
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<td>WW</td>
<td>YW</td>
<td>RADG</td>
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<tr>
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From Connealy Angus Ranch, NE

KMK ALLIANCE 6595 187

CONNEALY ARSENAL 2174

CONNEALY ARMORY

EBBA OF CONANGA 004

CONNEALY CONSENSUS 7229

PRECIOUS OF CONANGA 380X

JMC PRECIOUS LAYLA 8390 3303

From Connealy Angus Ranch, NE

Spring 2019 Angus Breed Average EPDs

7AN415 CONNEALY POWER SURGE 3115

- **POWER SURGE** is the proven performance bull you are looking for that also surges ahead on type.
- **Sires** progeny that offer dimension, an attractive look and are also big-footed with plenty of muscle
- He has several EPD’s that are in the top 10 percent - WW,YW,RADG, MILK, CEM, MARB, $W, $B and DOC!
- Use **POWER SURGE** as a great complimentary mating on other Connealy lines.

From Connealy Angus Ranch and Green Valley Cattle, NE; Alan Mead, Gerloff Farms and Brockmere Farms, MO

**EPDs as of 12/15/18**

<table>
<thead>
<tr>
<th>Production</th>
<th>CED</th>
<th>BW</th>
<th>WW</th>
<th>YW</th>
<th>RADG</th>
<th>DMI</th>
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**Maternal Carcass C U $Value**

| CED | BW | WW | YW | RADG | DMI | YH | SC | DOC | CER | CE | CK | CEM | MILK | MW | MH | $EN | CW | $F | $G | $B | $W | $F | $G | $B |
|-----|----|----|----|------|-----|----|----|-----|-----|----|----|-----|------|----|----|-----|----|----|----|----|----|----|----|----|----|
| 47  | 91 | .61 | .62 | .021| 5   | 81 | 68.93| 102.89| 47.12| 164.66|

**Acc**

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<th>WW</th>
<th>YW</th>
<th>RADG</th>
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7AN440 DEER VALLEY OLD HICKORY

- **HICKORY** is now a proven sire for low birth, high-performing, attractive progeny.
- **Sires** big-hipped, soft-middled progeny with extra neck extension and stunning phenotype. He offers a true benefit for foot quality and will add frame, body length and performance to most mating choices.
- His impressive dam is a direct daughter of the legendary calving ease donor, GAR Objective 2345.
- Put some extra pounds and stature in your calf crop without the worry of increased birth weight.

From Deer Valley Farm, TN; Boyd Beef Cattle, Solid Rock Angus, Sammy Ayres and Jared Ayres, KY; Trowbridge Angus, NY; Cole Elrod, GA; Pembrook Cattle Co., OK and Tom Boyan, NJ

**EPDs as of 12/15/18**

<table>
<thead>
<tr>
<th>Production</th>
<th>CED</th>
<th>BW</th>
<th>WW</th>
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**Maternal Carcass C U $Value**

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**% Rank**

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Spring 2019 Angus Breed Average EPDs

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| Acc | 52  | 46 | 46 | 0   | 141  | 79.16| 90.87| 35.06| 153.68|

| % Rank | 20  | 15 | 15 | 15 |

Spring 2019 Angus Breed Average EPDs

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</tr>
</tbody>
</table>

| Acc | 52  | 46 | 46 | 0   | 141  | 79.16| 90.87| 35.06| 153.68|

| % Rank | 20  | 15 | 15 | 15 |

**7AN394 JMB TRACTION 292**

- **Reg:** 17262374
- **Tattoo:** 292
- **DOB:** 3/11/2012

- **BW:** 74 lbs / ratio 101
- **WW:** 754 lbs / ratio 113
- **YW:** 1303 lbs / ratio 109
- **Yr. SC:** 36 cm
- **Yr. Frame:** 6.0

◊ A true power bull that adds pounds and quality every time.
◊ Highly proven sire for performance and outstanding phenotype with an outcross pedigree
◊ A foot improver who is a breed-leader for $Weaning
◊ TRACTION daughters in production are making tremendous brood cows. They are good mothers who are trouble-free while raising heavy calves.
◊ Excellent mating choice for smaller-framed cows that need more performance
◊ TRACTION will add power every time.

**From Joel & Mary Bunker, KS; Baldridge-Tiedeman Angus, NE; Trowbridge Farms, NY and Deer Valley Farm, TN**

**DAUGHTERS**
- **Daughter, Deer Valley Farm, TN**
- **Daughter, Ankony Farms, GA**
- **Daughter, Montana Angus Ranch, MT**

**BW:** 74 lbs
**WW:** 754 lbs
**YW:** 1303 lbs
**Yr. SC:** 36 cm
**Yr. Frame:** 6.0

**EPDs as of 12/15/18**

| EPD | CED | BW | WW | YW | RADG | DMI | YH | SC | DCC | HP | CEM | MARR | MCH | MH | ESN | CRY | MARR | HS | HOM | EST | GPm | GPpg | Gyrpg | SW | SF | SC | $EN | $W | $F | $G | $B |
|-----|-----|----|----|----|------|-----|----|----|-----|----|-----|-------|-----|----|-----|-----|-------|----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.21 | 1.3 | .96 | .95 | .92 | .44 | .44 | .91 | .87 | 36 | .08 | .076 | .74 | .36 | .86 | .005 | 10 | 716 | 80.61 | 78.85 | 32.31 | 122.84 |

**% Rank**
- **CED:** 10
- **BW:** 10
- **WW:** 25
- **YW:** 25
- **RADG:** 25
- **DMI:** 25
- **YH:** 25
- **SC:** 25
- **DCC:** 25
- **HP:** 5
- **CEM:** 5
- **MARR:** 5
- **MCH:** 5
- **MH:** 5
- **ESN:** 5
- **CRY:** 5
- **MARR:** 5
- **HS:** 5
- **HOM:** 5
- **EST:** 5
- **GPm:** 5
- **GPpg:** 5
- **Gyrpg:** 5
- **SW:** 5
- **SF:** 5
- **SC:** 5
- **$EN:** 5
- **$W:** 5
- **$F:** 5
- **$G:** 5
- **$B:** 5

**Spring 2019 Angus Breed Average EPDs**

**Production:**
- **CED:** 6
- **BW:** 1.3
- **WW:** 52
- **YW:** 92
- **RADG:** 21
- **DMI:** 25
- **YH:** 4
- **SC:** 74
- **DCC:** 15

**Maternal:**
- **HP:** 10.4
- **CEM:** 9
- **MILK:** 24
- **MW:** 28
- **MH:** 3

**Carcass:**
- **CW:** 36
- **MARB:** 50
- **RE:** 47
- **FAT:** .012
- **$W:** 48.33
- **$F:** 49.14
- **$G:** 32.37
- **$B:** 115.11

**YOUR SUCCESS OUR PASSION**
**TOP TEN ANGUS**

The Top Ten list features the top sires from the Select Sires and Accelerated Genetics lineups in each of these 12 traits.

**Select Sires and Accelerated Genetics Provide Bulls That Excel in Every Trait!**

### Calving Ease Direct EPD
- 14AN427 STINGRAY 19
- 7AN525 COMPOUND 18
- 7AN423 100X 18
- 7AN418 PATRIOT 17
- 14AN502 TAHOE 17
- 7AN368 COMRADE 17
- 7AN451 FLAT TOP 16
- 7AN443 BRONC 16
- 7AN389 SURE FIRE 15

Breed Average 6

### Birth Weight EPD
- 7AN423 100X -4.5
- 7AN368 COMRADE -3.5
- 7AN525 COMPOUND -2.9
- 7AN367 HEISMAN -2.9
- 7AN432 BANKROLL -2.7
- 7AN443 BRONC -2.5
- 7AN427 STINGRAY -2.0
- 7AN438 BRAGGING RIGHTS -1.8
- 7AN401 ELATION -1.8
- 7AN443 BRONC -2.6

Breed Average 1.3

### Weaning Weight EPD
- 7AN528 GROWTH FUND 99
- 7AN510 PEYTON 97
- 7AN479 FULL MEASURE 90
- 7AN423 TRAILBLAZER 89
- 7AN474 BLACKHAWK 89
- 7AN541 BONFIRE 83
- 14AN525 BALANCE 82
- 7AN461 ACCLAIM 80
- 7AN483 PHOENIX 80
- 7AN427 MANNING 79

Breed Average 52

### Yearling Weight EPD
- 7AN528 GROWTH FUND 174
- 7AN510 PEYTON 173
- 7AN474 BLACKHAWK 162
- 14AN461 ACCLAIM 161
- 7AN423 TRAILBLAZER 159
- 7AN479 FULL MEASURE 158
- 14AN545 WALL STREET 148
- 14AN541 BONFIRE 147
- 14AN525 BALANCE 146
- 7AN483 PHOENIX 144

Breed Average 92

### Docility EPD
- 14AN500 FOX TROT 40
- 14AN520 MARKSMAN 36
- 7AN368 COMRADE 36
- 7AN463 PLAYBOOK 35
- 14AN497 NEW ADDITION 35
- 7AN531 ENTRANCE 34
- 7AN482 GENUINE 33
- 7AN460 PROTOCOL 33
- 7AN528 GROWTH FUND 32
- 7AN441 METHOD 32

Breed Average 15

### Heifer Pregnancy EPD
- 7AN517 COUNSELOR 19.1
- 7AN423 TRAILBLAZER 18.5
- 7AN465 TOP NOTCH 18.1
- 7AN369 UPTOWN 17.8
- 7AN418 PATRIOT 17.4
- 7AN531 CAPITALIST 16.7
- 14AN461 ACCLAIM 16.3
- 7AN544 MAIN STREET 16.0
- 7AN476 ALL PROFIT 15.6
- 7AN480 BONANZA 15.5

Breed Average 10.4

### Calving Ease Maternal EPD
- 7AN423 100X 18
- 7AN518 XCEPTIONAL 16
- 7AN379 ALL IN 16
- 7AN526 CHECK IT 16
- 7AN482 GENUINE 16
- 7AN427 MANNING 15
- 7AN479 FULL MEASURE 15
- 14AN427 STINGRAY 15
- 7AN443 BRONC 15
- 7AN451 FLAT TOP 15

Breed Average 9

### $ Energy EPD
- 14AN426 CHARLO 25.49
- 7AN368 COMRADE 15.27
- 7AN531 CAPITALIST 10.91
- 7AN367 HEISMAN 8.49
- 14AN500 FOX TROT 4.2
- 14AN531 THUNDERBIRD 2.08
- 14AN427 STINGRAY 1.51
- 7AN384 COURAGE -0.5
- 7AN430 VENTURE -2.71

Breed Average $-5.50

### Marbling EPD
- 7AN392 MOMENTUM 1.71
- 7AN542 COMBUSTION 1.62
- 7AN320 PROPHET 1.44
- 7AN510 PEYTON 1.40
- 7AN389 SURE FIRE 1.36
- 14AN541 BONFIRE 1.31
- 7AN483 PHOENIX 1.28
- 7AN482 GENUINE 1.25
- 14AN440 GUINNESS 1.21
- 7AN423 TRAILBLAZER 1.18

Breed Average .50

### Ribeye EPD
- 14AN439 INDEX 1.29
- 7AN441 METHOD 1.26
- 7AN388 NIAGARA 1.11
- 7AN538 BRAGGING RIGHTS 1.09
- 14AN490 ARSENAL 1.08
- 7AN392 MOMENTUM 1.06
- 7AN518 XCEPTIONAL 1.06
- 7AN418 PATRIOT 1.02
- 7AN464 UNIQUE 1.00
- 7AN526 CHECK IT .99

Breed Average .47

### $ Weaning EPD
- 7AN528 GROWTH FUND 97.45
- 7AN320 PROPHET 97.18
- 7AN479 FULL MEASURE 95.84
- 7AN510 PEYTON 87.86
- 14AN541 BONFIRE 87.52
- 14AN426 CHARLO 86.80
- 7AN423 TRAILBLAZER 86.63
- 7AN474 BLACKHAWK 86.25
- 7AN379 ALL IN 85.55
- 7AN461 TESTAMENT 85.20

Breed Average 48.33

### $ Beef EPD
- 7AN510 PEYTON 218.59
- 14AN461 ACCLAIM 216.18
- 7AN479 FULL MEASURE 212.22
- 7AN542 COMBUSTION 200.69
- 14AN490 ARSENAL 196.15
- 7AN528 GROWTH FUND 196.06
- 7AN518 XCEPTIONAL 191.34
- 7AN531 ENTRANCE 190.70
- 7AN423 TRAILBLAZER 190.53
- 14AN545 WALL STREET 190.00

Breed Average 115.11

---

*Photo by Darcy Sisson*
Value Added Programs

Superior Livestock Auction

Health
Load Lots
Quality Nutrition
Verified Natural
Hormone Free
Source & Age Verified

Why Not See Value For What You Are Already Doing?

Superior Value Added Programs

BRINGING MORE DOLLARS TO YOUR BOTTOM LINE

The American cattle industry’s most recognized vaccination program allows ranchers to vaccinated their calves with approved vaccines using proven protocols.

VAC 34/34+ $1.48 cwt
VAC 45/45+ $5.96 cwt
VAC Precon $5.83 cwt

Superior Progressive Genetics

$1.32 Premium

A value added program initiated to identify load lots of cattle, selling on Superior Livestock Auction, that are sire by the top genetics in the industry. Superior Progressive Genetics creates a premium to both seedstock producers and their bull-buying customers.

NHTC

$2.84 Premium

The NHTC Program is a USDA approved, non-biased, third-party audit that verifies the source, age and non-hormone treated status of your calves. This program is perfect for those producers already practicing non-hormone or natural procedures and want to see the benefit of those practices realized at sale time.

Superior Verified

$1.22 Premium

Superior Verified is a USDA approved, non-biased, third-party audit that verifies the source and age of your calves. The source verification will enable you to meet COOL requirements, the age verification will make your cattle eligible for export to countries with age requirements on imported beef products.

For more information on these and other Value Added Programs please visit www.superiorlivestock.com/value-added-programs
7SM94 CCR PAYWEIGHT 0327C

- Selected for his phenotype and popular well-known pedigree — PAYWEIGHT x dam of CCR Cowboy Cut
- Expect offspring to be deep-sided with plenty of muscle expression and marketability.
- Elite spread bull for CE to WW and YW.

From Cow Camp Ranch and River Creek Farms, KS

**EPDs as of 12/4/18**

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7SM89 W/C RAPID FIRE 2101C

- White face calving ease sire with carcass merit
- Breed leader for Docility
- Expect calves to be born easy, daughters that milk and are easy to handle and offspring that grade. He is a complete package!
- He sires cattle with added muscle, body, style and an ideal hip and hind leg.

From Scott Werning, SD; River Creek Farms, KS and Ruble Cattle Services, IA

**EPDs as of 12/4/18**

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**7SM91 TJ MAIN EVENT 503B**

- **Reg:** 2891336
- **Tattoo:** 503B
- **DOB:** 1/22/2014
- **Homo. Black/Homo. Polled
- **From C Diamond Ranch, ND and Triangle J Ranch, NE**

- **BW:** 82 lbs / ET
- **WW:** 806 lbs / ET
- **YW:** 1301 lbs / ET

**ELLINGSON LEGACY M229**

- **MR NLC UPGRADE U8676**
- **MS NLC MOJO S6119 B**
- **BOYD NEW DAY 8005**
- **TJ MISS NEW DAY U14**
- **T J MISS CALIFORNIA K13**

- **Reg:** 2891336
- **Tattoo:** 503B
- **DOB:** 1/22/2014
- **1/2 SM 1/2 AN**
- **Homo. Black/Homo. Polled

- The must use industry-leading SimAngus™ sire all bulls are measured against
- His daughters are becoming sought-after replacement females and he is a sire of sons.
- MAIN EVENT is a big spread sire with predictable phenotype of style yet muscle and mass.
- He transmits extreme muscle shape and performance without increasing mature size.
- One of the most unique beef bulls in the entire industry.

**Daughter, Triangle J Ranch, NE**

**Reg:** 2891336
- **DOB:** 1/22/2014
- **Tattoo:** 503B
- **1/2 SM 1/2 AN**
- **Homo. Black/Homo. Polled

**Daughter, Hilbrands Cattle Co., MN**

**Reg:** 2891336
- **DOB:** 1/22/2014
- **Tattoo:** 503B
- **1/2 SM 1/2 AN**
- **Homo. Black/Homo. Polled

**Son, Wayward Hill Farm, KY and JS Simmentals, IA**

- **Reg:** 2891336
- **DOB:** 1/22/2014
- **Tattoo:** 503B
- **1/2 SM 1/2 AN**
- **Homo. Black/Homo. Polled

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### EPDs as of 12/4/18

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**Production Carcass Indexes**

- **CE:** 11.7
- **BW:** 0.6
- **WW:** 64.5
- **YW:** 98.5
- **MCE:** 6.3
- **MILK:** 21.7
- **MWW:** 54.4
- **STAY:** 15.4
- **DOC:** 12.1

- **Carcass:** CW: 29.5
- **YG:** -.23
- **MAR:** .28
- **BF:** -.044
- **REA:** .62
- **API:** 123.83
- **TI:** 69.24

---

**Your Success Our Passion**
SUBSTANCE 820Y

- A long-term bull in the breed still holds up in the EPD rankings and the top registration listing.
- His tribute is his many daughters and sons and now even grand progeny!
- SUBSTANCE is now deceased; this may be your last season to use him directly.

From Gateway Simmentals, MT and Wildberry Farms, IL

**SPECIFICATIONS**
- Registration Number: 2605922
- Tattoo: 820Y
- Date of Birth: 3/4/2011
- Breed: 3/4 SM 1/4 AN
- Homozygous: Black/Homo. Polled
- EPD Details:
  - Birth Weight (BW): 97 lbs / ratio 90
  - Weight at Weaning (WW): 734 lbs / ratio 114
  - Yearling Weight (YW): 1284 lbs / ratio 116
  - Yr. SC: 37 cm
  - Yr. Frame: 5.7

**Pedigree**
- **Dam:**
  - GW PREMIUM BEEF 021TS
  - GW MISS MATERNAL 558P
  - GW MR MATERNAL 731L
  - GW MISS RED LIGHT 406J

**Earnings**
- $25

---

UNITED 956Y

- Big time spread of the long-time popular SimAngus™ sire has earned him top ranking in registrations.
- He is a big spread sire from birth to weaning and yearling growth! His carcass traits add to his API and TI indexes.

From Hook Farms, MN; NLC Simmental, Eichacker Simmentals and Werning Simmental, SD

**SPECIFICATIONS**
- Registration Number: 2614725
- Tattoo: 956Y
- Date of Birth: 3/3/2011
- Breed: 1/2 SM 1/2 AN
- Homozygous: Black/Homo. Polled
- EPD Details:
  - Birth Weight (BW): 89 lbs / ratio 99
  - Weight at Weaning (WW): 821 lbs / ratio 120
  - Yearling Weight (YW): 1457 lbs / ratio 122

**Pedigree**
- **Dam:**
  - TNT TUITION U238
  - MISS WERNING 956W
  - MISS WERNING 756T

**Earnings**
- $25

---

UNIFIED B203

- Unique to his sire, UNIFIED is a Calving Ease sire!
- He possesses the growth and carcass traits of UNITED.
- UNIFIED is deceased; semen is limited.

From TNT Simmentals and Messer's Beaver Creek Ranch, ND

**SPECIFICATIONS**
- Registration Number: 2902090
- Tattoo: B203
- Date of Birth: 2/26/2014
- Breed: 1/2 SM 1/2 AN
- Homozygous: Black/Homo. Polled
- EPD Details:
  - Birth Weight (BW): 73 lbs / ratio 117
  - Weight at Weaning (WW): 823 lbs / ratio 108
  - Yearling Weight (YW): 1430 lbs / ratio 107

**Pedigree**
- **Dam:**
  - TNT TUITION U238
  - MISS WERNING 956W
  - MS NLC TANKER Z2058
  - BHA MISS HERITAGE 344

**Earnings**
- $25

---

**SIMMENTAL**

- Spring 2019 Hybrid Simmental Breed Average EPDs
◊ Quickly becoming one of the most popular SimAngus™ bulls for phenotype and performance
◊ WIDE RANGE is the sire of countless top-selling bulls and females! Expect deep-bodied, stout-made bulls and females with his daughters having great udder quality.
◊ ¾ Simmental sire that can be used to make great percentage cattle or elite purebreds
◊ WIDE RANGE is the 14th registration sire in the entire breed!

From Cow Camp Ranch, KS; Advanced Beef Genetics, IA and Gibbs Farms, AL

---

◊ The search for a potential Calving Ease, WIDE RANGE son with Marbling, lead us to this outstanding young sire prospect!
◊ His outcross pedigreed dam brings fresh mating possibilities without giving up any genetic progress.
◊ One of the most competitive EPD profiles in the breed

From Gibbs Farms, AL; K Diamond Cattle and TNT Simmentals, ND; River Creek Ranch, KS and Trauernicht Simmentals, NE

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Spring 2019 Purebred Simmental Breed Average EPDs
Production: CE: 10 BW: 1.8 WW: 67.8 YW: 100.6 MCE: 5.2 MILK: 21.6 MWW: 55.6 STAY: 17.4 DOC: 10.5
Carcass: CW: 28.3 YG: -.46 MARB: .01 BF: -.110 REA: .82 API: 123.77 TI: 68.93
**7SM65 WLE UNO MAS X549**

- Continues as a Select Sires top seller because of his predictable Calving Ease on heifers, eye-appealing results and daughters with snug udders and small teats
- Has female sorted semen available which adds to his popularity
- One of the breed's top registration sires, ranks as the No. 10 sire in the breed!

From Wesner Livestock Enterprises and Purdue University, IN

<table>
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<tr>
<th>EPDs as of 12/4/18</th>
<th>Production</th>
<th>Carcass</th>
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**7SM82 HOOK'S BROADWAY 11B**

- A popular blaze-faced, growth and power sire for use on cows
- While BROADWAY has changed from the sire we first thought, his use and popularity has not. He has continued to be a top registration sire!
- No. 2 registration sire in the breed

From Hook Farms, MN; Gibbs Farms, AL and Cow Camp Ranch, KS

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**7SM79 HPF OPTIMIZER A512**

- A blaze-faced registration leader known for his growth and REA EPDs
- He has been a customer satisfaction sire with numerous sons selling well in customer's bull sales.

From Hudson Pines Farm, NY; Hayes Ranch, MT and Hillstown Farm, IL

<table>
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<th>Carcass</th>
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Spring 2019 Purebred Simmental Breed Average EPDs

- Production: CE: 10 BW: 1.8 WW: 67.8 YW: 100.6 MCE: 5.2 MILK: 21.6 MWW: 55.6 STAY: 17.4 DOC: 10.5
- Carcass: CW: 28.3 YG: -.46 MARB: .01 BF: -.110 REA: .82 API: 123.77 TL: 68.93
**7SM93 KOCH BIG TIMBER 685D**

- **BIG TIMBER** has earned his EPDs as a Calving Ease sire with an outcross pedigree allowing unlimited mating flexibility.
- His dam is a very nice, deep, young cow with a snug udder and small teat size.
- Calf reports are structurally correct with average muscle and body depth, ideal for a heifer sire.
- In his ultrasound, he ranked 137 IMF and 110 for REA and is reflected in his EPDs and API and TI indexes.

From Gibbs Farms, AL; Triangle J Ranch and Koch Cattle, MT

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<th>WW: 740 lbs / ratio 103</th>
<th>YW: 1257 lbs / ratio 103</th>
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**AW**

- **Reg:** 3133113
- **Tattoo:** 685D
- **DOB:** 2/9/2016
- **Purebred SM**
- **Homo. Black/Homo. Polled**

**HOOKS TAURUS 24T**

**HOOK’S YELLOWSTONE 97Y**

**HOCKS SHEYENNE 77S**

**GW LUCKY BOY 252U**

**KOHCH MS HOOKS BOY**

**HOCK’S YORK 51Y**

**EPDs as of 12/4/18**

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**Production Carcass Indexes**

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<th>YW</th>
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**7SM96 CLRS DIVIDEND 405D**

- Calf reports are stylish, thick, correct and up-headed with middle and good disposition - very positive reports.
- **DIVIDEND** writes a very positive EPD profile!
- His dam is an excellent four-year-old going back to a cow family with great feet and udders.
- Top API and TI indexes

From Apex Cattle, NE and Clear Springs Cattle Co., MN

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**Reg:** 3097854

**Tattoo:** CLRS 405D

**DOB:** 1/31/2016

**Purebred SM**

**Homo. Black/Homo. Polled**

**HOOK’S YELLOWSTONE 97Y**

**CLRS AFTER SHOCK 604 A**

**HOOKS SARITA 4S**

**GW PREMIUM BEEF 021TS**

**CLRS ZINNIA 200 Z**

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14SM3090 Hook’s BOZEMAN 8B

ASA Reg#: 2854480
Tattoo: 8B
Born: 2/23/2014
Birth Wt: 88 lbs | ratio 106
205 Day Adj Wt: 710 lbs | ratio 103
365 Day Adj Wt: 1350 lbs | ratio 104
Yr Sclt Circum: 38 cm
Yr Fr Score: 5.5
Purebred SM
Homo. Black/Homo. Polled

◊ In 2018, BOZEMAN sired several sale-topping sons, which were phenotypically deep, thick and correct with outstanding EPDs.
◊ This may be the most overlooked sire in our lineup. A Calving Ease sire who the real cowboys are finding again.

EPDs as of 12/4/18

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<tr>
<th>CE</th>
<th>BW</th>
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GW PREMIUM BEEF 021TS
GW-WBF SUBSTANCE 820T
GW MISS MATERNAL 558P
TRIPLE C INVASION R47K
HOOK’S WILL POWER 24W
HOOK’S SHIMMER 37S

EPDs as of 12/4/18

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W/C EXECUTIVE ORDER 8543B
MISS WERNING KP 8543U
LLSF UPRISING Z925
GLS BLACK VELVET B91
GLS PRECIOUS Y19

7SM95 GLS DECLARATION D611

◊ DECLARATION is not just another Executive Order son, but out of an outstanding Uprising daughter. His dam may be adding the extra touch to his popularity.
◊ A top percentile growth sire for WW and YW with growth and added eye-appeal
◊ The red gene adds to use flexibility

From Grass Lunning Simmentals and Brant Farms, MN

EPDs as of 12/4/18

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<th>CE</th>
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W/C UNITED 956Y
W/C EXECUTIVE ORDER 8543B
MISS WERNING KP 8543U
LLSF UPRISING Z925
GLS BLACK VELVET B91
GLS PRECIOUS Y19

7SM86 JC ENGINEER 102C

◊ A bet-the-ranch heifer sire with 100 pounds of YW
◊ An outcross pedigree for a purebred sire, you can use him almost anywhere!
◊ His accuracy continues to increase and his EPDs remains solid!

From J/C Simmentals, MI and Hillstown Farm, IL

EPDs as of 12/4/18

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GW LUCKY MAN 644N
GW LUCKY BOY 252U
GW MISS NEW DEAL 814TS
HOOK’S QUEST 86U
HOOK’S WINSOME 57W
HOOK’S SHIMMER 37S

Spring 2019 Purebred Simmental Breed Average EPDs
Production: CE: 10 BW: 1.8 WW: 67.8 YW: 100.6 MCE: 5.2 MILK: 21.6 MWW: 55.6 STAY: 17.4 DOC: 10.5
Carcass: CW: 28.3 YG: -.46 MARB: .01 BF: -.110 REA: .82 API: 123.77 TI: 68.93
**7SM75 GW ROBUST 605Z**

- Growth spread sire with huge Ribeye EPD
- Use ROBUST to produce growth feeder cattle or sons who will breed likewise.
- His progeny are popular because of their quiet dispositions.
- ROBUST is one of the breeds most complete terminal sires when you consider his combination of CW, YG, MARB and REA.

From Gateway Simmentals, MT; Gibbs Farms, AL and Cow Camp Ranch, KS

**7SM71 S D S IN FORCE 112Y**

- IN FORCE is the bet-the-ranch Calving Ease sire who adds Marbling and makes ideal, moderate-framed replacement females.
- His females are excellent uddered, replacement heifers with small teats and good fleshing ability. He is perfect as a project breeding SimAngus™ sire.

From South Dakota State University, SD; Gibbs Farms, AL and Cow Camp Ranch, KS
**7SM87 CDI HOMETOWN 246A**

- The top-ranking weaning and yearling EPD sire to use to add pounds on a set of red commercial cows or to produce red Simmental sons that will add extra pounds with mating flexibility
- Still top-ranking EPDs for MARB and REA

From C Diamond Inc., ND

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<tr>
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**W/C UNITED 956Y**
- W/C EXECUTIVE ORDER 8543B
- MISS WERNING KP 8543B
- DCR MR MOON SHINE X102
- DCR MS MOONSHINE B38
- DCR MS REDGIE Z117

**7SM87 CDI HOMETOWN 246A**

- Calving reports on heifers are as expected, coming easy with moderate birth weights
- The calves have some explosiveness for growth to weaning and added look and eye-appeal.
- This is a very useful red pedigree with outstanding EPDs and indexes. He has moved from a must-sample sire to a must-use sire!

From Wilkinson Simmentals, ND and Schnabel Ranch, SD

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**$25**

**7SM92 WS RED MOON D76**

- The top-ranking weaning and yearling EPD sire to use to add pounds on a set of red commercial cows or to produce red Simmental sons that will add extra pounds with mating flexibility
- This is a very useable red pedigree with outstanding EPDs and indexes. He has moved from a must sample sire to a must-use sire!

From C Diamond Inc., ND

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**W/C UNITED 956Y**
- W/C EXECUTIVE ORDER 8543B
- MISS WERNING KP 8543B
- DCR MR MOON SHINE X102
- DCR MS MOONSHINE B38
- DCR MS REDGIE Z117

**$25**

**7SM92 WS RED MOON D76**

- Calving reports on heifers are as expected, coming easy with moderate birth weights
- The calves have some explosiveness for growth to weaning and added look and eye-appeal.
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7SM97 IR **IMPERIAL** D948

- Triple-threat bull - exceptional data set, outcross pedigree and great phenotype
- Breed-leader for CE, STAY, MARB, API and TI
- One of the most exciting Red bulls in the breed!
- Red or Black, IMPERIAL is a must use sire to improve EPDS!

From Irvine Ranch, KS; TNT Simmentals, ND and Schnabel Ranch, SD

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**EPDs as of 12/4/18**

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294SM0179 MFR **DREAMBOAT** 3B

- A Canadian outcross sire with no Dream On in his pedigree.
- Popular in Canada for Calving Ease, muscle and correct feet and leg structure.
- A rancher's bull with an outcross pedigree.
- Great mating choice for your heifers.
- Available in Canada only.

From McCormack Family Ranch and Terry Young, SK

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**CSA EPDs as of 12/4/18**

<table>
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<tr>
<th>Production</th>
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<th>Indexes</th>
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<tr>
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<td>BW</td>
<td>WW</td>
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<tr>
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<tr>
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<td>.44</td>
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<tr>
<td>% Rank</td>
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</tr>
</tbody>
</table>
7SM98 K-LER ARCHITECT 709E

- ARCHITECT was selected for his design and elite EPDs for Calving Ease and Marbling.
- A top API and TI sire
- A heifer safe bull with exceptional eye-appeal, added bone and flawless structure

From K-LER Cattle Co., MN

Reg: 3268068
Tattoo: 709E
DOB: 1/23/2017
1/2 SM 1/2 AN
Homo. Black/Homo. Polled

7SM84 LMF MADISON B752

- Many SimAngus™ users find this sire! His ratios said he would prove to be good - his EPDs have proven him to be in the top percentile in several traits!
- Outcross, top EPDs, top indexes, top consideration

From Little Mountain Farm, AL

Reg: 2934717
Tattoo: B752
DOB: 9/15/2014
1/2 SM 1/2 AN
Homo. Black/Homo. Polled

7SM85 GW TRIPLE CROWN 018C

- A Calving Ease SimAngus™ choice that adds much-more; top marbling and top API ranking
- A moderate-framed SimAngus™ heifer project sire

From Gateway Simmentals, MT and Gibbs Farms, AL

Reg: 2954741
Tattoo: 018C
DOB: 2/12/2015
5/8 SM 3/8 AN
Homo. Black/Homo. Polled

<table>
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<th>Carcass</th>
<th>Indices</th>
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<tr>
<td>CE    BW WW YW ME MCE MILK MWW STAY DOC</td>
<td>CW YG MARB BF REA</td>
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<tr>
<td>EPD 17.6 -3.9 51.6 84.1 9.0 35.0 60.7 16.3 14.8</td>
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Spring 2019 Hybrid Simmental Breed Average EPDs
Production: CE: 11.7 BW: 0.6 WW: 64.5 YW: 98.5 MCE: 6.3 MILK: 21.7 MWW: 54.4 STAY: 15.4 DOC: 11.2
**14SM3086 TJ COWBOY UP 529B**

- Sired by the popular CCR Cowboy Cut
- A ¾ sire who can be used to make purebred or percentage cattle
- His top indexing EPDs and phenotype progeny continue to gain popularity among discriminating breeders.

**EPDs as of 12/4/18**

<table>
<thead>
<tr>
<th></th>
<th>CE</th>
<th>BW</th>
<th>WW</th>
<th>YW</th>
<th>MCE</th>
<th>MILK</th>
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<td>2</td>
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</table>

**14SM3082 LRS TOP TEN 104A**

- TOP TEN is a SimAngus™ sire who is becoming a popular calving choice. He has outstanding growth and carcass merit as shown by his EPDs.
- Clay Lassle, LRS Ranch commented, “The calves come small, grow quickly and have excellent phenotype.”
- He combines two of the industries best, TOP TEN x Sure Bet.

**EPDs as of 12/4/18**

<table>
<thead>
<tr>
<th></th>
<th>CE</th>
<th>BW</th>
<th>WW</th>
<th>YW</th>
<th>MCE</th>
<th>MILK</th>
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<tr>
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Efficient. Efficient is a word that is thrown around in the beef industry but what does it mean? Unfortunately, in the commercial beef cow-calf industry, we don’t spend enough time discussing or thinking about being an efficient operation.

Improving efficiency in a beef operation begins with breeding management. This includes controlling the calving season, crossbreeding, and matching genetics to the environment. However, the road to efficient beef production is rocky. Genetic requirements for most herds include calving ease (for your heifers), acceptable/optimal growth, while maximizing heterosis and breed complementarity. How does one find one bull for natural service that meets all their needs?

The easiest road to maximum breeding efficiency in the beef cow-calf industry is through estrous synchronization and AI (ESAI). Estrous synchronization helps shorten the calving season, increases herd pregnancy rates, and helps increase calf uniformity and weight (calves are typically older) and can enhance market value. Estrous synchronization was originally developed to ease the use of AI. The factor that most limits use of AI is labor and most ESAI systems used today are designed to optimize pregnancy rates for fixed-time AI to minimize the number of times cattle are worked. Conception rates to the AI normally exceed 50% and often exceed 60%. A bull is still used in most systems to clean up after the ESAI.

Many reasons support the use of AI. For most producers, the variety of sires and the accuracy of the genetic predictions are most enticing. Using AI, all females can be bred to proven bulls that best complement your needs to improve productivity. For example, proven calving-ease bulls can be used on heifers while other bulls more suitable for your mature cowherd can be used on older females. Implementing a sound crossbreeding program is much easier using AI. Producers can much more easily maximize heterosis because of the wide variety of bulls available via AI. Simply put, more variety, more proven performance, more efficiency is possible using AI.

Use of ESAI can improve productivity and revenue. Recent research from Dr. Cliff Lamb examined the short-term economic impact of a breeding system that included FTAI + natural service or just natural service in about 1,200 females on 8 different farms (Table 1). The breeding seasons began and ended on the same day in both groups on all farms. A partial budget was used to compare the positive economic impact (added revenue, reduced costs) with the negative economic impact (added costs, reduced revenue). Use of ESAI improved short-term returns by about $50. One of the more interesting aspects of this work is that a positive economic impact was observed in 7 of the 8 farms and ranged from +$123 to -$10 per cow. The lone farm that saw reduced revenue did not observe an increase in overall pregnancy rate or a shift in days to calving indicating that the short-term impact (profit/loss) is dictated by the improved reproductive performance normally observed when ESAI is used.

<table>
<thead>
<tr>
<th>Trt</th>
<th>N</th>
<th>Weaning %</th>
<th>Days to Calving</th>
<th>#WW (lbs)/cow exposed</th>
<th>$/cow</th>
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<td>FTAI</td>
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<td>84</td>
<td>26.8 ± .8</td>
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<td>+ $49.14</td>
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<td>NS</td>
<td>615</td>
<td>76</td>
<td>31.3 ± .8</td>
<td>386.98 ± 9.5</td>
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Note: Impact of ESAI

The estrous synchronization component of ESAI has the biggest impact on short-term returns; higher pregnancy rates,
older calves at weaning. The true impact of AI is most evident in the long-term. We are near completion of a long-term field study designed to examine the impact of a breeding system on production efficiency. The components of the breeding system included ESAI with natural service (70-day season), organized crossbreeding (Angus, Hereford), and organized selection for the environment (limit purchased feed) and market (post-weaning and bred heifers). One farm was large for the Southeast (150-200 head) while the other was average (23-25 head). At the beginning of the project, average cow size was 1570 lbs and 1750 lbs for the large and small farm, respectively. Herd productivity at the start of the project is shown in Table 2. An efficient cow weans about 50% of her body weight and these were big cows that were not weaning big calves. We adjusted this by dividing by the number of cows exposed for breeding to get a new cow efficiency indicator we called percent body weight weaned per cow exposed.

Over the next 7-9 years, cows from these farms were subjected to ESAI followed by a 70-day natural service breeding season. Sires were selected to maximize heterosis in a two-breed rotation and to decrease mature cow size while minimizing possible decrease in weaning performance. Cows were rapidly replaced (15-25% replacement) on both farms with females that were sired by our chosen AI sires.

On both farms, average cow size decreased considerably over time (Figure 1). What impact could this have on production efficiency? Smaller cows (1200 vs 1600) simply eat less feed (nearly a ton less; Table 3) resulting in lower feed costs per year.

Reducing cow size normally is associated with a reduction in productivity. In this project, averaging both farms together, the length of the calving season decreased (35 days), pregnancy rate increased (8%), the average age of calf increased (17 days), weaning rate increased (10%), adjusted weaning weight increased (118 lbs), and the pound of calf weaned per cow exposed increased (106 lbs; Figure 2).

One of our main goals was to increase cow efficiency. An “efficient operation” compares production with costs. If we use cow size as a rough estimate of cost, we can estimate cow efficiency by dividing the percent body weight weaned by the total by the number of cows exposed to breeding. Why are we dividing %BW Weaned by the number of cows exposed? Why not just look at average %BW Weaned? Because the successful cows, those that wean a calf, have to be efficient enough to pay for the cows that fail. Cow efficiency appeared to increase over time. In this project, when we started, the 1660 lb cows were weaning about 488 pounds. So, these cows were weaning about 29% of their body weight and about 24% of their body weight per cow exposed to the bull. To date, using this estimate, cow efficiency has increased approximately 10% (Figure 3).

The road to efficiency travels through ESAI. Compared to typical natural service, use of ESAI increases revenue, optimizes heterosis, and matching genotype with market and environment. Long-term, producers can make real strides in cow efficiency and improve their opportunities for profit.
SUPREMACY stands at the top with very attractive, well-built phenotype and a powerful HerdBuilder and GridMaster combination.

His elite CED, low birth, and solid Yearling Weight make him a go-to for matings on heifers.

Descending from the SL Bourne line, expect calves that come easy, grow quick and provide lots of end-product value.

Loads to look forward to on the maternal front with great Heifer Pregnancy, Maternal Calving Ease and Stayability while being moderately low on DMI.

Don’t sit back waiting to see where this exciting young sire ends up, you’ll regret not having him on the use list.

EPDs as of 12/1/18

<table>
<thead>
<tr>
<th>HerdBuilder</th>
<th>GridMaster</th>
<th>CED</th>
<th>BW</th>
<th>WW</th>
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% Rank 1 10 1 3 30 1 15 20

RED ANGUS

EPDs as of 12/1/18

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<td>.35</td>
<td>.39</td>
<td>.52</td>
<td>.47</td>
<td>.39</td>
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</tbody>
</table>

% Rank 10 30 30 25 25

Notes:
- SUPREMACY stands at the top with very attractive, well-built phenotype and a powerful HerdBuilder and GridMaster combination.
- His elite CED, low birth, and solid Yearling Weight make him a go-to for matings on heifers.
- Descending from the SL Bourne line, expect calves that come easy, grow quick and provide lots of end-product value.
- Loads to look forward to on the maternal front with great Heifer Pregnancy, Maternal Calving Ease and Stayability while being moderately low on DMI.
- Don’t sit back waiting to see where this exciting young sire ends up, you’ll regret not having him on the use list.

Great Calving Ease bull with explosive growth and tremendous ranking on HerdBuilder.

NIGHT FOCUS brings performance and then some with a strong MARB and REA combination and a big CW, all while bringing Maternal Calving Ease and Stayability to the table.

Unique pedigree for tons of mating flexibility across the breed.

EPDs as of 12/1/18

<table>
<thead>
<tr>
<th>HerdBuilder</th>
<th>GridMaster</th>
<th>CED</th>
<th>BW</th>
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</tbody>
</table>

% Rank 10 30 30 25 25

Notes:
- Great Calving Ease bull with explosive growth and tremendous ranking on HerdBuilder.
- NIGHT FOCUS brings performance and then some with a strong MARB and REA combination and a big CW, all while bringing Maternal Calving Ease and Stayability to the table.
- Unique pedigree for tons of mating flexibility across the breed.
Convenience trait leader with proven numbers that brings Calving Ease, maternal and Marbling to the equation

Industry topping Calving Ease makes him a sleep-easy, use on every heifer, Calving Ease bull.

A must-use bull for commercial heifer projects providing plenty of growth, Milk and excellent Stayability in the herd.

BOLT analysis for Red Angus keeps REBEL in front of the pack for HerdBuilder among the top 3 percent.

He is 99 percent Red Angus, registered 1B.

From Schuler-Olsen Ranch and Simpson Ranch, NE
7AR86 BIEBER CL STOCKMARKET E119

◊ An outcross pedigree with an opportunity to make multi-trait improvement and add phenotype in one package
◊ Ranks in the top 10 percent of breed for seven different EPD traits and top 5 percent for both HerdBuilder and GridMaster indexes
◊ Modest Calving Ease prospect that offers elite maternal value with added performance and growth
◊ He is long-bodied with added depth of rib and excellent feet.
◊ Individual ratios of 131 for IMF, 129 for Ribeye and 116 ADG in the Beiber herd
◊ One of the best Stockman sons to date and stems from the powerful Adelle cow line

From Bieber Red Angus and CL Red Angus, SD and Mill Springs Ranch, IL

Reg: 3751659  
Tattoo: E119  
DOB: 1/15/2017

7AR85 KCC EXCELLENCE 139-774

◊ For outcross genetics, excellent phenotype and an elite balanced trait EPD profile, add some EXCELLENCE to your herd.
◊ Ranks in the top 1 percent of the breed for both HerdBuilder and GridMaster indexes and top 2 percent of the breed for CED and REA
◊ He recorded individual ratios of 85 BW, 113 WW, 117 YW and 124 REA.
◊ He is long bodied with added muscle shape and depth of rib.
◊ An outcross sire that will provide mating flexibility without sacrificing elite genetic merit
◊ If you appreciate a balanced trait EPD profile and herd bull phenotype, put this next generation sire to use in your herd.

From Kneibel Farms, KS and All Beef, IL

Reg: 3774413  
Tattoo: 774  
DOB: 3/7/2017

Spring 2019 Red Angus Breed Average EPDs

Production: HB. 172 GM. 48 CED. 12 BW.-1.1 WW.55 YW.87 Maternal: MILK.23 ME.1 HPG.11 CEM.7 STAY.16
Carcass: MARB.: .37 YG.:.10 CW.15 REA.-.04 FAT.:.02
A great, high accuracy, low birth weight bull that blends maternal profitability with great Marbling

- Super high on the Red Angus HerdBuilder index, PACESETTER delivers on excellent CED, low BW, awesome STAY and elite MARB.
- Daughters should be deep made with great udders and solid dispositions
- Tremendous Red Angus pedigree, P707 x Revelation, and only a few generations away from Cherokee Canyon, Brown Vacation and the Abigrace cow family
- Excellent option for commercial heifer projects for that added level of assurance

From Rhodes Red Angus, KS; R.A. Brown Ranch, TX; Cedar Hill Farm, WV and Broseco Ranches, TX

<table>
<thead>
<tr>
<th>EPD as of 12/1/18</th>
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<th>GridMaster</th>
<th>EPD</th>
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Spring 2019 Red Angus Breed Average EPDs


RED ANGUS

BECKTON NEBULA M045
BECKTON NEBULA P P707
BECKTON LANA M809 EP
BROWN REVELATION P7021
BROWN MS REVELATION U7748
BROWN MS ABBY P7944

Son, Rhodes Red Angus, KS

Dam of PACESETTER

From Rhodes Red Angus, KS; R.A. Brown Ranch, TX; Cedar Hill Farm, WV and Broseco Ranches, TX

Your Success...Our Passion.

75
7AR79 FEDDES LIBERTY D210

Calving Ease outcross pedigree with big birth to yearling spread
LIBERTY is long-bodied, heavy-muscled and brings added rib shape.
Progeny come small and have plenty of growth.
Great mating flexibility being unrelated to several bulls in the Select Sires lineup.

From Chuck Feddes Ranch, MT

<table>
<thead>
<tr>
<th>BW: 74 lbs / ET</th>
<th>WW: 710 lbs / ET</th>
<th>YW: 1182 lbs / ET</th>
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<tr>
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Buf Crk The Right Kind U199
SL Independence 560-298Y
SL Black Adina 525-560
Bieber Romero 9136

Feddes Sleck 806
Feddes Sleck 2S

EPDs as of 12/1/18

<table>
<thead>
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<th>EPD</th>
<th>HerdBuilder</th>
<th>GridMaster</th>
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% Rank: 25 20 30 25

RED ANGUS
Spring 2019 Red Angus Breed Average EPDs

Production:
HB: 172
GM: 48
CED: 12
BW: -1.1
WW: 55
YW: 87
Maternal:
Milk: 23
ME: 1
HPG: 11
CEM: 7
STAY: 16

Carcass:
MARB: .37
YG: .10
CW: .15
REA: -.04
FAT: .02

7AR78 GMRA TESLA 6214

TESLA packs moderate-frame and impressive type in an unrelated pedigree.
A well-balanced bull with lots of dimension and functionality.
Posted outstanding performance ratios of 111 WW, 108 YW, 118 IMF and 103 REA.
Top HerdBuilder, double-digit Calving Ease and great birth to yearling spread, TESLA brings maternal and performance with lots of mating flexibility.

From Green Mountain Red Angus and Logan Reds, MT

<table>
<thead>
<tr>
<th>BW: 79 lbs / ET</th>
</tr>
</thead>
<tbody>
<tr>
<td>WW: 694 lbs / ratio 111</td>
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<tr>
<td>YW: 1204 lbs / ratio 108</td>
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Reg: 3538390
Tattoo: 6214
DOB: 1/12/16

Messmer Packer 5008
GMRA Trilogy 0226
GMRA Lakota 625
GMRA Peacemaker 1216
GMRA Angie Rose 448
GMRA Angie Rose 967

EPDs as of 12/1/18

<table>
<thead>
<tr>
<th>EPD</th>
<th>HerdBuilder</th>
<th>GridMaster</th>
<th>CED</th>
<th>BW</th>
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<th>STAY</th>
<th>MARB</th>
<th>VG</th>
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% Rank: 25 20 20 25

RED ANGUS
Spring 2019 Red Angus Breed Average EPDs

Production:
HB: 172
GM: 48
CED: 12
BW: -1.1
WW: 55
YW: 87
Maternal:
Milk: 23
ME: 1
HPG: 11
CEM: 7
STAY: 16

Carcass:
MARB: .37
YG: .10
CW: .15
REA: -.04
FAT: .02
7AR73 PIE CINCH 4126

◊ Use CINCH to bring power and impressive phenotype to your herd.
◊ Good Calving Ease, moderate birth and ranks in the top 15 percent for both WW and YW
◊ He has the great ability to bring eye-appeal with stoutness and dimension, added muscle and a well-balanced look to his progeny.
◊ Comes from a cow family with a great production record, excellent udders and great feet
◊ CINCH is known for making daughters that offer a powerful cow look.

From Pieper Red Angus, NE and Rhodes Red Angus, SD

BW: 76 lbs / ratio 93  
WW: 769 lbs / ratio 116  
YW: 1418 lbs / ratio 117  
Yr. SC: 40 cm  
Yr. Frame: 6.1

7AR69 BIEBER RREDS TAKEOUT 305A

◊ TAKEOUT offers amazing power, masculinity, dimension and muscle shape with all the convenience of his sire.
◊ Big bodied in a moderate-frame, look for progeny to have lots of performance with his eye-appealing look.
◊ Weighed off test as a yearling at an impressive 1,449 lbs and posts in the top 20 percent for WW and top 30 percent for STAY
◊ Traces back to a lot of well known sires in his pedigree, yet has a lot of use potential on several red angus lines

From Bieber Red Angus Ranch and Rhodes Red Angus, SD

BW: 84 lbs / ratio 102  
WW: 747 lbs / ratio 107  
YW: 1449 lbs / ratio 107  
Yr. SC: 32 cm  
Yr. Frame: 5.5

EPDs as of 12/1/18

<table>
<thead>
<tr>
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EPDs as of 12/1/18

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</table>
From Bieber Red Angus Ranch, SD and Jeffries Land and Cattle, OK

SPARTACUS

- A crowd favorite at the 2015 Bieber Sale, SPARTACUS is stout-boned and powerfully designed.
- Not many bulls offer his balance of exceptional type and great performance.
- Moderate Calving Ease, low birth weight with EPDs in the top 15 percent for WW and MARB and top 20 percent for YW.
- SPARTACUS is known for his gentle disposition and passing it onto his progeny.
- A nice GridMaster ranking rounds out his profit potential and how he can deliver on high-end product merit.

**From Bieber Red Angus Ranch, SD and Jeffries Land and Cattle, OK**

![SPARTACUS](image)

<table>
<thead>
<tr>
<th>EPDs as of 12/1/18</th>
<th>HerdBuilder</th>
<th>GridMaster</th>
<th>CED</th>
<th>BW</th>
<th>WW</th>
<th>YW</th>
<th>MILK</th>
<th>ME</th>
<th>HPG</th>
<th>CEM</th>
<th>STAY</th>
<th>MARB</th>
<th>YG</th>
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</table>

14AR2085 BIEBER CL

**ATOMIC**

- ATOMIC is proving to be an excellent choice for Calving Ease and maternal value.
- A top 15 percent HerdBuilder along with his elite CED and BW combo make him an easy choice for heifers and building replacements.
- Big time mating flexibility with a pedigree unlike many in the Red Angus breed.

**From Cl Red Angus and Bieber Red Angus Ranch, SD**

![ATOMIC](image)

<table>
<thead>
<tr>
<th>EPDs as of 12/1/18</th>
<th>HerdBuilder</th>
<th>GridMaster</th>
<th>CED</th>
<th>BW</th>
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</table>
**DAWSON 7003E**

From Huelfte Red Angus, NE

- **RAAA Reg#:** 3816299
- **Tattoo:** 7003E
- **Born:** 1/23/2017
- **Birth Wt:** 76 lbs | ratio 99
- **205 Day Adj Wt:** 709 lbs | ratio 112
- **365 Day Adj Wt:** 1486 lbs | ratio 107

- **New**

**Red Angus**

**Spring 2019 Red Angus Breed Average EPDs**

<table>
<thead>
<tr>
<th>Production</th>
<th>Carcass</th>
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Spring 2019 Red Angus Breed Average EPDs

**Production:** HB: 172 GM: 48 CED: 12 BW: -1.1 WW: 55 YW: 87 **Maternal:** MILK: 23 ME: 1 HPG: 11 CEM: 7 STAY: 16 **Carcass:** MARB: .37 YG: .10 CW: 15 REA: -.04 FAT: .02

- A rarity in the breed with elite top 1 percent HerdBuilder and top 1 percent GridMaster indexes
- DAWSON offers moderate calving and birth weight with explosive growth and a phenomenal MARB and REA combination.
- A big spread bull that delivers on WW, YW, and ADG and his end-product merit is unbelievable with outstanding CW, MARB and REA EPDs
- Pledge sons have been in super high demand as herd sires that offer unprecedented performance, power and dimension.
- DAWSON is an absolute standout in his attractive design with great shape, eye-appeal and impressive build.

<table>
<thead>
<tr>
<th>EPDs as of 12/1/18</th>
<th>Indexes</th>
<th>Production</th>
<th>Carcass</th>
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<tr>
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</table>

**New**
7AR77 BROWN CCFP EFFICIENT C5454

◊ A cattle breeder's pedigree as EFFICIENT descends from old school proven cow families while sired by recent industry leaders of the breed
◊ Great Calving Ease option with CED and BW combo.
◊ Bring some efficiency into the herd; EFFICIENT was one of best converters in his class while on test at R.A. Brown and offers the convenience Red Angus is known for.

From C&C Family Partners and R.A. Brown Ranch, TX and Croissant Red Angus, CO

Reg: 3497039
Tattoo: C5454
DOB: 3/1/2015

BECKTON NEBULA P P707
BROWN JYJ REDEMPTION Y1334
JYJ MS JOLENE W16
LCC CHEYENNE B221L
BROWN MS CHEYENNE T6976
BROWN MS VACATION P6841

BW: 82 lbs / ET
WW: 710 lbs / ET
YW: 1108 lbs / ET

Yr. SC: 35
Yr. Frame: 4.9

$25

7AR83 BROWN PERSERVERANCE D347

◊ The lead off Red Angus bull in the 2017 R.A. Brown Bull Sale
◊ Great genetic combination with double-digit Calving Ease, very low birth weight, a huge jump to 101 on Yearling Weight and a big GridMaster score
◊ PERSERVERANCE transmits end-product value with his elite Marbling ranking.
◊ Moderate-framed and good-footed, he brings lots of profit potential to the operation.

From R.A. Brown Ranch, TX and Lundgren Red Angus, OK

Reg: 3593074
Tattoo: D347
DOB: 12/25/2015

BUF CRK THE RIGHT KIND U199
5L INDEPENDENCE 560-298Y
BROWN MS EPIC B555
BECKTON EPIC R397 K
BROWN MS EPIC B555

BW: 166 lbs / ratio 84
WW: 336 lbs / ratio 94
YW: 961 lbs / ratio 95

Reg: 3467112
Tattoo: 5222
Born: 1/16/2015
Birth Wt: 72 lbs | ratio 83
205 Day Adj Wt: 635 lbs | ratio 107
365 Day Adj Wt: 1177 lbs | ratio 106

Spring 2019 Red Angus Breed Average EPDs

Carcass: MARB: .37 YG: .10 CW: .04 REA: .02

$20

14AR2088 GMRA TRINITY 5222

◊ A Calving Ease Trilogy son with added growth ranking in the top 10 percent of breed for WW and YW EPDs.
◊ In addition to Calving Ease and growth, he excels for both HerdBuilder and GridMaster indexes.
◊ His pedigree is stacked with great cows; five generations of MPPAs over 101. His dam has a 106 MPPA on nine calves.

From Green Mountain Red Angus, MT and Bieber Red Angus Ranch, SD

Reg#: 3467112
Tattoo: 5222
Born: 1/16/2015
Birth Wt: 72 lbs | ratio 83
205 Day Adj Wt: 635 lbs | ratio 107
365 Day Adj Wt: 1177 lbs | ratio 106

MESSER PACKER S008
GMRA TRILOGY 0226
GMRA LAKOTA 62S
LCC CHEYENNE B221L
GMRA INDIgo 615
GMRA INDIgo 230

RAAA Reg#: 3467112

$18
◊ Offers Red Angus breeders an outcross pedigree with an excellent set of EPDs
◊ RACER is backed by a very productive two-year-old dam and powerful grandam.
◊ If you are looking for a young sire to add style and performance to your herd, RACER is your option!
◊ RACER is one of the most winning bulls in Canada, selected as Grand Champion bull at both the 2018 Edmonton Farmfair and Canadian Agribition.
◊ In addition, he has also won Grand Champion Bull at Olds Fall Classic, Top Five Supreme Qualifier at Edmonton Farmfair, Top 10 RBC Supreme Challenge Qualifier, Canadian Angus Association’s Red Angus Junior Bull of the Year and Show Bull of the Year and was a World Qualifier for Red Angus.
◊ Available in the U.S. and Canada only

From DKF Angus, SK and Shiloh Cattle Co., AB

DKF ELIMINATOR 15A
RED DKF RAZOR 55C
DKF MISS NET WORTH 21A
RED 500 LINE POWER EYE 161X
RED DKF MISS ACE 84C
RED BLU DAWN MISS ILLICIT 359Z

294AR0338 RED DKF RACER 8E

REG: CAA 1974618
TATTOO: DKFE 8E
DOB: 1/18/2017

BW: 78 lbs / ratio 102
WW: 764 lbs / ratio 119

PKG: $35

CAAs & EPDs as of 12/1/18

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<th>EPD</th>
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</table>

Spring 2019 Red Angus Breed Average EPDs


Carcass: MARB: .37 YG: .10 CW: 15 REA: -.04 FAT: .02

From DKF Angus, SK and Shiloh Cattle Co., AB
CONVERT™ Day-One Gel at birth offers the highest concentrations of active ingredients and is formulated to ensure a healthy start for your calf crop. Producers using CONVERT report:

- Reduced Scours
- Increased Appetites
- Increased Growth Rates
- Reduced Mortality

Contact your Select Sires representative to learn more!

“Our calves receive CONVERT within hours of birth up to one day of age. For our operation, CONVERT has nearly eliminated scours, and our calves seem more vigorous and healthier. We find that we don’t have to follow up with antibiotics or any other treatments when using CONVERT. Prior to using CONVERT, we had more scour problems and found it was hard to avoid with our calving months of February and March. Since using CONVERT, we have reduced our scour problems, and our calves are healthy and hardy.”

Craig Bruns, Pine Springs Ranch, Rushville, Neb.
◊ A living legend, SHEYENNE is an extremely rare sire of significant genetic merit.
◊ Wide-based, big-topped and thick-ended with extreme Calving Ease
◊ Ranks in the top 1 percent of breed for Calving Ease Direct and Birth Weight
◊ Dark red and fully pigmented
◊ If you need to improve traits of economic importance and type at the same time, this proven sire is a great option.

From Topp Herefords, ND

<table>
<thead>
<tr>
<th>EPDs as of 12/1/18</th>
<th>Production</th>
<th>Fertility</th>
<th>Maternal</th>
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EPDs as of 12/1/18

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</table>
7HP113 BOYD FT KNOX 17Y XZ5 4040

- Daughter, Hopper Herefords, KY
- ◊ A Calving Ease maternal combination ranking in the top 10 percent of the breed for Calving Ease and Birth Weight
- ◊ An udder-improver that will moderate mature size and keep fleshing ability in the cattle
- ◊ Calves are born easy with lots of vigor.
- ◊ An excellent choice to use on Angus heifers to make black baldy progeny
- ◊ Dark red with a lot of eye pigment

From Boyd Beef Cattle and Dale Stith, KY

Reg: 43472233
Tattoo: 4040
DOB: 1/25/2014
Hetero, Polled
A.I. Permitted

<table>
<thead>
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<th>EPDs as of 12/1/18</th>
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</table>

7HP116 MOHICAN THM EXCEDE Z426

- Daughter, Able Acres, IN
- ◊ Use this sire to add performance and end-product merit while creating value-added females that excel for phenotype and maternal function.
- ◊ Ranks in the top 10 percent of the breed for Birth Weight, Marbling and BMI index.
- ◊ His daughters have been favorites because they are big-ribbed, wide-hipped, easy fleshing with neat balanced udders.

From Mead Cattle, GA

Reg: 43292949
Tattoo: 2426
DOB: 4/24/2012
Homo, Polled
A.I. Permitted

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<th>Fertility</th>
<th>Maternal</th>
<th>Carcass</th>
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7HP120 BEHM 100W CUDA 504C

◊ No other sire comes close to matching CUDA’s combination of Calving Ease, growth, maternal and carcass merit.
◊ Offers an elite EPD profile ranking in the top 5 percent of the breed for 8 different traits and all three indexes
◊ This powerful, stout, rugged, short marked sire is emerging as a true breed leader.

From Larry & Logan Behm, ND and Knoll Crest Farm, VA

EPDs as of 12/1/18

<table>
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<th>Fertility</th>
<th>Maternal</th>
<th>Carcass</th>
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Reg: 43636764
Tattoo: 504C
DOB: 3/4/2015
Homo. Polled
A.I. Permitted

KCF BENNETT 3008 M326
NJW 73S M326 TRUST 100W ET
NJW P606 72N DAYDREAM 73S
KCF BENNETT 91261 R294
BEHM R294 JASMAN102Y
CPH MC WRANGLER 1W

$25

7HP119 SHF EVERSTONE Z311 E156

◊ Pedigree flexibility, powerful performance and premium earning end product merit
◊ EVERSTONE ranks in the top 5 percent of the breed for WW, YW, SC, CW and MARB with top 20 percent CE.
◊ He jumped through all the performance hoops with ratios of 100 BW, 115 WW, 101 YW, 5.9 FS, 113 MARB and 104 REA.
◊ His dam is a highly productive cow with a tremendous production records.

From Sandhill Farms, KS and Monahan Cattle Co., NE

EPDs as of 12/1/18

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<th>Maternal</th>
<th>Carcass</th>
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Reg: 45793570
Tattoo: E156
DOB: 2/16/2017
Homo. Polled
A.I. Permitted

KCF BENNET ENCORE Z311 ET
KCF MISS REVOLUTION X338 ET
SHF TUG R117 T57
SHF LACY T57 Z49
SHF PROGRESS P20 U16 ET

$25

Winter 2019 Hereford Breed Average EPDs

Production: CED: 1.9 BW: 3.0 WW: 52 YW: 84 MILK: 24 MGG: 50 MCE: 1.8 MWW: 89 UDDR: 1.2 TEAT: 1.2 SC: 9
14HP1037 KT SMALL TOWN KID 5051

**Great combination of Calving Ease, phenotype and performance**
- He is best described as moderated-framed, square-made, soft-bodied with good feet and sound structure.
- In addition to phenotype, he offers a very balanced trait EPD profile ranking in the top 10 percent of the breed for 10 different traits.
- He stacks a pedigree of breed greats with Hometown, Time’s A Wastin and Prospector.

**EPDs as of 12/1/18**

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<tr>
<th>Trait</th>
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**Carcass $Value**

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**Born:** 2/18/2015
- Birth Wt: 80 lbs | ratio 96
- 205 Day Adj Wt: 797 lbs | ratio 118
- 365 Day Adj Wt: 1277 lbs | ratio 100
- Yr Scrø Circum: 40.0 cm
- Hetero. Polled
- A.I. Permitted

**AHA Reg#: 43621413
Tattoo: 5051
**

14HP1030 KT BUILT TUFF 1010

**Modest Calving Ease with excellent maternal value**
- Ranks in the top 1 percent of breed for maternal traits including Udder Suspension and Teat Size
- Has three Dams of Distinction in his pedigree
- Will make moderated-framed, easy-fleshing cattle with shape and dimension

**EPDs as of 12/1/18**

<table>
<thead>
<tr>
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**Carcass $Value**

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**Born:** 2/6/2011
- Birth Wt: 71 lbs | ratio 86
- 205 Day Adj Wt: 705 lbs | ratio 99
- 365 Day Adj Wt: 1066 lbs | ratio 91
- Yr Scrø Circum: 40 cm
- Homo. Polled
- A.I. Permitted

**AHA Reg#: 43231454
Tattoo: 1010
**

From Kurt & Jessica Thomas, MT; Huth Polled Herefords, WI and Ernst Herefords, CO

**SHF WONDER M326 W18 ET**
- NJW 73S W18 HOMETOWN 10Y ET
- NJW F606 72N DAYDREAM 73S
- RST TIMES A WASTIN 0124
- KT MS 0124 TIMES A WASTIN 2086
- KT MS K085 PROSPECTOR 4016

**14HP1037 KT SMALL TOWN KID 5051**
- From Thomas Herefords, MT

**14HP1030 KT BUILT TUFF 1010**
- From Kurt & Jessica Thomas, MT; Huth Polled Herefords, WI and Ernst Herefords, CO

**Hereford**
- Spring 2019 Hereford Breed Average EPDs
  - Production: CED: 1.9 BW: 3.0 WW: 52 YW: 84 MILK: 24 M&G: 50 MCE: 1.8 MCW: 89 UDDER: 1.2 TEAT: 1.2 SC: .9

$25
Double-digit Calving Ease with excellent maternal value
He excels in all the relevant traits of beef production, Calving Ease, maternal value and end-product merit. He ranks in top 30 percent of the breed for Sustained Cow Fertility
No sacrificing end-product merit either, he ranks in the top 25 percent for YW, CW and top 5 percent for MARB.

EPDs as of 12/1/18

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7HH58 CL 1 DOMINO 215Z

◊ This horned sire offers true genetic excellence with 10 EPDs and indexes ranking in the top 25 percent of the breed and seven of those within the top 5 percent of the breed.
◊ A power and performance sire with added growth ranking in the top 1 percent of the breed for both Weaning Weight and Yearling Weight EPDs
◊ Offers a great combination of phenotype, performance and end-product value
◊ His high Marbling EPD makes him truly unique among line one cattle, yet he adds Carcass Weight and Ribeye Area to create cattle that generate premiums on the grid.
◊ Will complement a broad spectrum of cattle types and pedigrees
◊ Ideal mating for SENSATION and 3027 influenced females

From B&D Herefords, KS and Cooper Hereford Ranch, MT

BW: 93 lbs / ratio 100
WW: 780 lbs / ratio 112
YW: 1333 lbs / ratio 108
Yr. Sc: 37 cm

Reg: 4328007
Tattoo: 215
DOB: 1/8/2012
Horned
A.I. Permitted

CL 1 DOMINO 732T
CL 1 DOMINO 9122W 1ET
CL 1 DOMINETTE 475P
CL 1 DOMINO 860U
CL 1 DOMINETTE 055X
CL 1 DOMINETTE 475P

$25

7HP115 TH 409A 475Z DUE NORTH 361C ET

◊ Impressive phenotype! He is wide-based, big-ribbed and loaded with muscle shape.
◊ Offers real-world genetics to improve growth, performance and added carcass value
◊ Ranks in the top 3 percent of the breed for REA and top 10 percent for CHB index
◊ In addition to growth and power, he ranks near the top of the breed for both Udder Suspension and Teat Size EPD traits.
◊ His pedigree stacks two of the best cow-maker lines in the breed.

From Topp Herefords, ND

BW: 86 lbs / ET
WW: 837 lbs / ET
YW: 1294 / ET
Yr. Sc: 40 cm

Reg: 4396963
Tattoo: 361C
DOB: 1/14/2015
Hetero. Polled
Non-Certificate A.I. Sire

CL 1 DOMINETTE 7136T 1ET

$20
14HP1043 HUTH FTF TORQUE C002

**TORQUE**

**AHA Reg#: 43594696**

- Tattoo: C002
- Born: 4/11/2015
- Birth Wt: 86 lbs | ratio 97
- 205 Day Adj Wt: 747 lbs | ratio 117
- 365 Day Adj Wt: 1277 lbs | ratio 107
- Yr Scrtl Circum: 40 cm
- Homo. Polled
- A.I. Permitted

**From Topp Herefords, ND and Monohan Ranches, NE**

- BW: 69 lbs / ratio 82
- WW: 754 lbs / ratio 100
- YW: ratio 103
- Yr. SC: 37 cm
- Reg: 43694428
- Tattoo: C002
- DOB: 1/15/2016
- Homo. Polled
- Non-Certificate A.I. Sire

**Torque covers all the bases for economical beef production with breed-leading growth and carcass merit.**

- His pedigree is stacked for longevity and cowherd performance, backed by four generations of Dams of Distinction.
- Ranks in the top 10 percent of the breed for 9 different traits including BMI and top 5 percent for CHB indexes
- He is dark red, goggled-eyed and short marked.

**7HP118 TH A208 49B EL DORADO 57D**

**AHA Reg#: 43694428**

- Tattoo: 57D
- DOB: 1/15/2016
- Homo. Polled
- Non-Certificate A.I. Sire

**From Topp Herefords, ND and Monohan Ranches, NE**

- BW: 69 lbs / ratio 82
- WW: 754 lbs / ratio 100
- YW: ratio 103
- Yr. SC: 37 cm

**Outcross genetics that will add muscle, base width, structural correctness and eye-appeal to his progeny**

- Will improve phenotype and end product merit without sacrificing maternal value
- Ranks in the top 30 percent of the breed for Marbling and Ribeye Area

**From Huth Polled Herefords, WI and Falling Timber Farm, MO**

**EPDs as of 12/1/18**

<table>
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<th>SValue</th>
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**EPDs as of 12/1/18**

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**Spring 2019 Hereford Breed Average EPDs**

**Production:**
- CED: 1.9
- BW: 3.0
- WW: 52
- YW: 84
- MILK: 24
- M&G: 50
- MCE: 1.8
- MCW: 89
- UDDER: 1.2
- TEAT: 1.2
- SC: 9

**Carcass:**
- CW: .66
- FAT: .010
- REA: .38
- MARR: .10
- BMHS: 312
- BHS: 379
- CHBS: 102

**FTF PROSPECTOR 145Y**

**TH 512X 145Y EL DORADO 49B ET**

**HUTH R007 VERA T013**

**GRANDVIEW CMR MISS VIC X178**

**MSU MF HUDSON 19H**

**SHF YORK 19H Y02**

**LOEVEN MISS P20 10W**

**UPS DOMINO 3027**

**HUTH T013 DOMINETTE 2016**

**HUTH R007 VERA T013**

**GV CMR STRONG 156T Y449 ET**

**Grandview CMr Miss Vic X178**

**$20**

**$25**
**7CH97 RENN LEXINGTON 6346**
M881219 | Homo. Polled | Ledger x Grid Maker

<table>
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**7CH95 FTJ CASCADE 1508**
M868134 | Homo. Polled | Blue Value x Silver Distance

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**7SP34 JSF GOLDENROD 57U**
4142922 | Javelin x Gold Element

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**7SP33 JSF GAUGE 137W**
4164807 | Tsunami x Duplicator

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**7CA11 FAIR LUCKY 1A**
369512 | Crossbred | Man Among Boys x Doctor Who

**7MA11 GMAF 80 PROOF 148Y**
424880 | Maine-Anjou | I-80 x Irish Whiskey

EPD's as of 12/17/18

NEW

NEW

NEW
**7CH96 LT AFFINITY 6221 PLD**
M880381 | Hetero. Polled | Rushmore x Winn Mans Lanza

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**7RN7 BWCC CRUISE 10783**
R10293457 | Purebred | Cruise 889Z28 x Rock Star

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**7BR528 TTT SUVA GUS ECHO 760**
916490 | Lair Manso x Martin Manso

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**7RB5 TRIO’S BALCO ZOLTAR 175Z2**
RR10222922 | Statesmen x Red Top

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**7KB2 OCD YOJIMBO EMORI 41713**
FB27657 | Purebred | Yojimbo x Hirashigetayasu

**7KB1 OCD 30T SEIJI 38668**
FB25266 | Purebred | Shigeshtetani x Hirashige 170P

$30

EPD’s as of 12/17/18

**CHAROLAIS/BRAHMAN WAGYU BRANGUS WAGYU**
### OTHER SIRES AVAILABLE

#### SELECT SIRES | ANGUS

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### Terminology

**EXPECTED PROGENY DIFFERENCE (EPD)** - The expected difference in performance of a bull's progeny compared to the performance of another sire's progeny.

**Accuracy (Acc.)** - A measure of reliability of an EPD expressed between 0 and 1.0. Accuracies closer to 1.0 means the EPD is a more reliable estimate of a sire's true genetic value for the trait.

**Proof Positive** - Bulls that are .85 or higher accuracy for Birth Weight EPD.

**% Rank** - Based on percentages, this indicates where a bull's EPD ranks him in the entire population of his respective breed.

**Calving Ease Direct (CED)** - is the difference in percentage of unassisted births when a sire is bred to first calf heifers. A higher number is desirable.

**Birth Weight (BW)** - predicts the difference in average birth weight of a bull's calves compared to calves of another bull. Reported in pounds, a lower number is desirable.

**Weaning Weight (WW)** - predicts the difference in average 205-day weight of a bull's progeny compared to calves of another bull. Reported in pounds, a higher number is desirable.

**Yearling Weight (YW)** - predicts the difference in average 365-day weight of a bull's progeny compared to progeny of another bull. Reported in pounds, a higher number is generally desirable.

**Residual Average Daily Gain (RADG)** - expressed in pounds per day, is a predictor of difference transmitting ability for feed intake during the postweaning phase, compared to that of other sires.

**Dry Matter Intake (DMI)** - expressed in pounds per day, is a predictor of difference transmitting ability for feed intake during the postweaning phase, compared to that of other sires.

**Scrotal Circumference (SC)** - The SC EPD predicts the difference in scrotal circumference of a bull's male progeny compared to progeny of another bull. Reported in centimeters, a larger number is desirable.

**Docility (Doc)** - is expressed as a difference in yearling cattle temperament, with a higher value indicating more favorable docility. It predicts the average difference of progeny from a sire in comparison with another sire's calves. In herds where temperament problems are not an issue, this expected difference would not be realized.

**Calving Ease Maternal (CEM or MCE)** - is expressed as a difference in percentage of unassisted births of a sire's daughters as first-calf heifers when compared to daughters of other sires. Reported as a percentage, a higher value is desirable.

**Milk (MILK)** - The milk EPD predicts the difference in average 205-day weight of a bull's daughters' calves compared to the calves from daughters of another bull. Reported in pounds, ideal milk values depend heavily upon the nutritional environment of the herd.

**Maternal Weaning Weight (MWW - Simmental); Milk and Growth (M&G - Hereford); Total Maternal (TM - Red Angus)** - The EPD predicts the Weaning Weight of a bull's daughter's progeny and reflects both the milking ability of a bull's daughters and the growth potential of their calves. Reported in pounds, higher numbers are generally desirable.

**Stayability (STAY - Red Angus & Simmental)** - The stayability EPD predicts the probability of a bull's daughters staying in production to at least six years of age compared to daughters of another bull. Reported as a percentage, a higher value is desirable.

**CARCASS TRAITS** – EPDs for carcass traits are calculated using weighted averages of yearling ultrasound and progeny carcass data.

**Carcass Weight (CW)** - The EPD predicts the difference in hot carcass weight of a bull's progeny compared to progeny of all other bulls evaluated at a given endpoint. Reported in pounds, a higher number is generally desirable.

**Marbling (MARB, IMF)** - The EPD predicts the difference in average USDA Marbling score of a bull's progeny compared to progeny of another bull at a similar end point. Reported in degrees of a Marbling score, higher values are desirable.

**Ribeye Area (REA)** - The EPD predicts the difference in ribeye area of a bull's progeny compared to the progeny of another bull and is an indicator of total muscle in the carcass. Reported in square inches, larger numbers are generally desirable.

**Fat (FAT)** - The EPD predicts the difference in fat thickness of carcasses, measured between the 12th and 13th ribs, of a bull's progeny compared to progeny of another bull. Reported in inches, lower values are desirable.

**Yield Grade (YG - Simmental)** – The EPD predicts differences in USDA Yield Grade of a bull's progeny compared to progeny of another bull. Reported in tenths of a USDA YG, lower numbers are desirable.

**VALUE INDEXES** are multi-trait selection indexes, expressed in dollars per head, to assist beef producers by adding simplicity to genetic selection decisions. The SValue is an estimate of how future progeny of each sire are expected to perform, on average, compared to progeny of other sires in the database if the sires were randomly mated to cows and if calves were exposed to the same environment.

**ANGUS:**

- **Cow Energy Value (SEN)** - expressed in dollars saved per cow per year, the EPD assesses differences in cow energy requirements for daughters of sires. A larger value is more favorable when comparing two animals (more dollars saved on feed energy expenses). SEN savings differences account for lactation energy requirements and mature size of cows.

- **Weaned Calf Value (SW)** - an index value expressed in dollars per head, is the expected average difference in future progeny performance for postweaning merit. SW includes both revenue and cost adjustments associated with differences in birth weight, weaning direct growth, maternal milk, and mature cow size.

- **Feedlot Value (SF)** - an index value expressed in dollars per head, is the expected average difference in future progeny performance for postweaning merit compared to progeny of other sires.

**SIMMENTAL:**

- **All-Purpose Index (API)** - Expressed in net dollars returned per cow exposed, evaluates Simmental sires being used on the entire cow herd (bred to both Angus first-calf heifers and mature cows) with a portion of the daughters retained for breeding and the steers and remaining heifers fed and sold on a carcass grade and yield basis. With the exception of shear force (tenderness), all EPDs are considered in this index.

- **Terminal Index (TI)** - Expressed in net dollars returned per cow exposed, evaluates the merit of sires when bred to mature Angus cows and all progeny are fed and sold on a carcass grade and yield basis. Consequently, maternal traits such as milk, stayability and MCE are not considered in this index.

**SValue Indexes**

- **Certified Angus Beef** - *Certified Angus Beef and CAB are registered trademarks of Certified Angus Beef LLC.

**RED ANGUS:**

- **HerdBuilder Index (HB)** - As the name indicates, implementation of the HerdBuilder Index will assist producers in building profitable herds. The HerdBuilder Index is built using the following production scenario: Red Angus bulls mated to cows and heifers (resulting progeny ¼ Red Angus, ¼ Simmental), replacement heifers retained from within the herd, and all remaining progeny sold on a quality-based carcass grid.

- **GridMaster Index (GM)** - While Red Angus has traditionally been known as a superior maternal breed, those who have retained ownership in Red Angus calves know of their potential to excel in the feedyard and ultimately hang a premium carcass. The GridMaster Index is built using the following production scenario: Red Angus bulls mated to cows (resulting progeny ¼ Red Angus, ¼ Simmental) and all progeny sold on a quality-based carcass grid.

**HEREFORD:**

- **Baldy Maternal Index (BMIS)** - This is an index to maximize profit for commercial cow-calf producers who use Hereford bulls in rotational crossbreeding programs on Angus-based cows. Retained ownership of calves through the feedlot phase of production is maintained and the cattle are to be marketed on a CHB pricing grid.

- **Certified Hereford Beef Index (CHBS)** - This is a terminal sire index, where Hereford bulls are used on British-cow crosses and all offspring are sold as fed cattle on a CHB pricing grid. There is no emphasis on milk or fertility since all cattle will be terminal. This index promotes growth and carcass.

**SHORTHORN:**

- **British Maternal Index (SBMI)** - As the name implies, this multi-trait selection index attempts to measure a bull’s potential profitability when complimenting the British cow base (Angus, Red Angus, Hereford, etc.). Shorthorn females can likewise be gauged at adding value to British or British-composite bulls of other breeds. A balance of growth and carcass traits is desired with a strong maternal component aimed at optimum reproductive efficiency and cow longevity.
SUPPLEMENTAL INFORMATION

To order Select Sires or Accelerated Genetics beef semen:
1. Contact your local Select Sires representative. To find a representative in your area, see the back cover of this directory.
2. Order online at www.selectsiresbeef.com or www.accelgen.com

To order A.I. certificates:
Visit www.selectsiresbeef.com, www.accelgen.com or call our customer service line at 1-800-251-3049 to order A.I. Certificates.

Photo Requests:
To request a sire photo to be e-mailed to you or to submit progeny photos, contact Morgan Cook at mcook@selectsires.com or (614) 733-3426.

Beef Breed Association contacts:
- American Angus Association (816) 383-5100 www.angus.org
- Red Angus Association of America (940) 387-3502 www.redangus.org
- American Simmental Association (406) 587-4531 www.simmental.org
- American Hereford Association (816) 842-3757 www.hereford.org
- American International Charolais Association (816) 464-5977 www.charolaisusa.com
- American Shorthorn Association (816) 599-7777 www.shorthorn.org
- American Chianina Association (816) 431-2808 www.chicattle.org
- American Maine-Anjou Association (816) 431-9950 www.maine-anjou.org

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Follow us on: [Social Media Icons]

Gestation Table

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**2018 ACROSS-BREED EPD COMPARISON**

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*Source: USDA - MARC, Clay Center, NE*

---

**SELECT SYNCH TOO PROTOCOL**

- Turn Bulls in at Day 5 post **GnRH**
- Give PGF and apply Heat Detection Aids on Day 7
- Remove bulls at 48hrs post PGF (Day 9)
- Inseminate all cows in heat at 48 hours post PGF (Day 9)
- Mass Breed at 72 - 84 hrs with **GnRH** to non-responders (Day 10)

---

**Timeline Diagram**

- **GnRH**
- **PG+Patch**
- **AI Cows with activated patches at 48hrs**
- **...48 - 72 hrs**
- **AI**
- **Bulls In**
- **Bulls Out**

*Your Success Our Passion.*
**HEAT DETECTION**

**Select Synch**

<table>
<thead>
<tr>
<th>GnRH</th>
<th>PG</th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td>15</td>
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</table>

Heat detect & Al

**Select Synch + CIDR®**

<table>
<thead>
<tr>
<th>GnRH</th>
<th>PG</th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>7</td>
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<tr>
<td>13</td>
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Heat detect & Al

**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.

<table>
<thead>
<tr>
<th>PG</th>
<th>GnRH</th>
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</thead>
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<tr>
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<tr>
<td>9</td>
<td>12</td>
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Heat detect & Al

**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.

<table>
<thead>
<tr>
<th>GnRH</th>
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<th>AI</th>
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</thead>
<tbody>
<tr>
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<td>72</td>
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<tr>
<td>84</td>
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</table>

Heat detect & Al

**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.

<table>
<thead>
<tr>
<th>GnRH</th>
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<th>AI</th>
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<tbody>
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<td>84</td>
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</table>

Heat detect & Al

**PG 6-day CIDR® & TAI**

Heat detect & 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 AI. Protocol may be used in heifers.

<table>
<thead>
<tr>
<th>PG</th>
<th>GnRH</th>
<th>CIDR®</th>
<th>AI</th>
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<tbody>
<tr>
<td>0</td>
<td>3</td>
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<td>12</td>
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Heat detect & Al

**FIXED-TIME AI (TAI)***

**7-day CO-Synch + CIDR®**

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

<table>
<thead>
<tr>
<th>GnRH</th>
<th>PG</th>
<th>CIDR®</th>
<th>Al</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>60</td>
<td>66</td>
<td>66</td>
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</tbody>
</table>

*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.

**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.

<table>
<thead>
<tr>
<th>GnRH</th>
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<th>Al</th>
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<tbody>
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<td>82</td>
<td>72 ± 2</td>
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**FIXED-TIME AI (TAI)***

for *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.

<table>
<thead>
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<th>GnRH</th>
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<tbody>
<tr>
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<td>66</td>
<td>66</td>
<td>84</td>
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</table>

*Approved 8-28-18*
HEAT DETECTION

1 Shot PG

7-day CIDR®-PG

MGA®-PG

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.

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

14-day CIDR®-PG & TAI
Heat detect and AI day 30 to 33 and TAI all non-responders
72 hr after PG with GnRH at TAI.

FIXED-TIME AI (TAI)*

Short-term Protocols

7-day CO-Synch + CIDR®
Perform TAI at 54 ± 2 hr after PG with GnRH at TAI.

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.

Long-term Protocols

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

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

* 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 9-25-2019.
The recto-vaginal technique is the most commonly used method to artificially inseminate cattle. The basic skills required to perform this technique can be obtained with about three days practice under professional instruction and supervision. Additional proficiency and confidence will be achieved with further work on your own.

Regardless of whether you are left or right handed, it is recommended that you use your left hand in the rectum to manipulate the reproductive tract and the right hand to manipulate the insemination gun. This is because the rumen or stomach of the cow lies on the left side of the abdominal cavity, displacing the reproductive tract slightly to the right. Thus, you will find it much easier to locate and manipulate the tract with your left as opposed to right hand.

Raise the tail with your right hand and gently massage the rectum with the lubricated glove on your left hand. Place the tail on the left side of your left forearm so it will not interfere with the insemination process. With your fingers together in a pointed fashion, insert your hand in the rectum, up to your wrist.

Gently wipe the vulva with a paper towel to remove excess manure and debris. Be careful not to apply excessive pressure, which may smear or push manure into the vulva and vagina. With your left hand make a fist and press down directly on top of the vulva. This will spread the vulva lips allowing clear access to insert the gun tip several inches into the vagina before contacting the vaginal walls. Insert the gun at a 30° upward angle to avoid entering the urethral opening and bladder located on the floor of the vagina. With the gun about 6 to 8 inches inside the vagina, raise the rear of the gun to a somewhat level position and slide it forward until it contacts the external portion of the cervix. You will note a distinct gristly sensation on the gun when it contacts the end of the cervix.

The cervix consists of dense connective tissue and muscle and is your primary landmark for inseminating cattle. It has often been described as having the size and consistency of a turkey neck. The size will vary, with post partum interval and age of the animal. The cervix usually has three or four annular rings or folds.

The opening into the cervix protrudes back into the vagina. This forms a 360° blind-ended pocket completely around the cervical opening. This pocket is referred to as the fornix. In most cows, the cervix will be located on the floor of the pelvic cavity near the anterior end of the pelvic bone. In older cows with large reproductive tracts, the cervix may rest slightly over the pelvic bone and down into the abdominal cavity.

To become a successful inseminator it is very important that you always know where the tip of the insemination gun is located. The walls of the vagina consist of thin-layered muscle and loose connective tissue. The insemination gun can be easily felt with your palpating hand. As you insert the breeding gun into the vagina, keep your gloved hand even with the gun tip.

Manure in the rectum can often interfere with your ability to palpate the cervix and gun tip. However, it is seldom necessary to remove all the manure from the bowel. Instead, keep your open hand flat against the floor of the rectum, allowing the manure to pass over the top of your hand and arm.

While handling the cervix you may notice rectal constriction rings attempting to force your arm from the cow. To relax these rings, place two fingers through the center of a ring and massage back and forth. The constriction ring will eventually relax, pass over your hand and arm, and you can continue the palpation process.

Because the reproductive tract is freely movable, cows that have strong rectal and abdominal contractions in response to being palpated may actually push their reproductive tract back into the pelvic cavity. This will cause many folds to form in the vagina. In such cases, the insemination gun will often get caught in these folds and little or no progress will be made until they are removed. If you can locate the cervix, grasp it and push it forward. This will straighten the vagina and the gun should pass freely up to the cervix. If you cannot locate the cervix, encircle the gun tip with your thumb and forefingers. With a straightening motion of your wrist, gently “milk” the folds out of the vagina a little at a time. Slide the gun forward and repeat the process.
Some of the most important aspects to remember when inseminating a cow to attain maximum breeding efficiency are:

- **Be gentle. Don't use too much force.**
- **Insemination is a two-step process.** Get the gun to the cervix, and then place the cervix over the gun.
- **Deposit the semen just through the cervix into the uterine body.**
Proper semen handling is essential to maintain optimum reproductive performance of your A.I. breeding program. To maintain the high quality of semen you purchased from your Select Sires representative, you must pay strict attention to the many details of semen handling outlined on this poster. If you have questions about the correct handling procedures for Select Sires semen, please call your Select Sires Reproductive Solutions Specialist.

**STRAW RETRIEVAL AND THAWING**
- Avoid raising straws above the frost line. (1)
- On new canes, bend the identification tab up to a 45° angle. (2)
- Use the forceps to remove one straw at a time from the top. If it takes more than 10 seconds to retrieve the straw, lower the canister back into the tank and allow to re-cool for 20 to 30 seconds. (3)
- Shake the straw gently to remove excess liquid nitrogen and promptly place in 95°F (35°C) water to thaw for at least 45 seconds. Thaw only as many straws as you can use in 10 to 15 minutes. When multiple straws are thawed, do not allow direct contact during thawing process. (4)
- To retrieve straws from the bottom goblet, grasp the cane and raise it until the straws are even with other cane tops. Hold the cane and canister with one hand. With your forceps in the other hand, remove the desired straw and place it in the thaw water. (5)

**LOADING THE INSEMINATION GUN**
- Before loading the insemination gun, pre-warm the barrel by stroking it vigorously with your hand five or six times.
- Make sure the plunger is back about six inches to allow for insertion of the straw.
- Remove the straw from the thaw water and wipe it completely dry with a paper towel.
- Check to see that the straw contains semen from the desired bull and that a small bubble is at the crimped end.
- If the bubble is not at the crimped end, gently tap the straw until the bubble moves to its correct position.
- Place the cotton plug end of the straw in the gun. It will stop at exactly the right depth.
- Wipe the scissors with a paper towel and cut the straw at a right angle ¼" below the lab seal. (6)
- Slide the plastic sheath over the straw and gun and firmly attach the sheath and gun together. (7 and 8)
- Inspect the straw end of the gun to ensure a proper seal between sheath and straw. (9)
- Wrap loaded guns in a paper towel or in a plastic sheath cover to provide both thermal and hygienic protection and place inside your clothing for transport to the cow. (10)
to provide both thermal and hygienic protection and place between sheath and straw. (9)

• Slide the plastic sheath over the straw and gun and firmly right angle ¼" below the lab seal . (6)

• If the bubble is not at the crimped end, gently tap the straw bull and that a small bubble is at the crimped end.

• Make sure the plunger is back about six inches stroking it vigorously with your hand five or six times.

• Before loading the insemination gun,

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hand, remove the desired straw and place it in the thaw water. (5)

STRAW RETRIEVAL AND THAWING

avoid raising straws above the frost line . (1)

Promptly place in 95º F (35º C) water to thaw for at least 45 seconds. (3)

• Use the forceps to remove one straw at a time from the top. If

• Use the compound back into the tank and allow to re-cool for 20 to 30 minutes. When multiple straws are thawed, do not allow direct contact during thawing process. (4)

• Before loading the insemination gun, allow to thaw only as many straws as you can use in 10 to 15 seconds. Thaw only as many straws as you can use in 10 to 15 minutes. When multiple straws are thawed, do not allow direct contact during thawing process. (4)

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Please contact the Beef Specialist in your region to locate your local sales representative, order semen, request service and all questions beef related!
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Locate your Beef Specialist using the map below.