

SHELTON ANGUS DOGWOOD FARM LOCUST LEVEL

Fall Bull Sale



**Saturday
November 21, 2020
12:30 pm
G&E Farms Sale Facility
Gretna, Virginia**

Saturday, November 21, 2020

12:30 pm

80 Performance Tested Angus Bulls

SELLING AT AUCTION

Daniel Lanier, Auctioneer

SALE LOCATION: G & E Performance Test Center, Gretna, VA
1/2 mile south of Rt. 40 on Business 29
(100 Floyd Bennett Rd., Gretna, VA 24557)

Food will be provided sale day. Join us for lunch, starting at 11 am.

Bulls are current on vaccinations and parasite control. Consult your veterinarian for future needs. All bulls have been tested PI BVD negative.

Shelton Angus, Dogwood Farm, And Locust Level will retain 1/3 semen interest in all bulls selling. This will affect very few, if any, of the bulls selling. Should we decide to collect semen in the future it would be at your convenience and our expense. The buyer of each bull owns 100% of possession and 100% of salvage value.

Volume discounts: 3% on 3 bulls, 4% on 4 bulls, 5% on 5 or more.

The EPD's represented in this catalog were current at the time of printing. EPD's are updated weekly by the American Angus Association and may change in the future.

DD Carriers are noted by their registration numbers. All bulls are noted for any potential recessive conditions we know of at this time.

Cattle sell under the standard Terms and Conditions of the American Angus Association as revised by the Virginia Angus Association. All cattle are to be settled for on sale day unless previous arrangements have been made.

Ratios for BW, WW, RE and IMF are from in-herd contemporaries. YW ratios are calculated from the entire test group.

Bulls may remain at G & E Performance Test Center for one week following sale, at no charge. Arrangements beyond one week must be made with George Winn.

Bulls are available for inspection at G & E Performance Test Center. Call prior to sale day.

Shelton Angus
Buddy Shelton
(434) 251-7149

whsangus@sheltonva.com

Dogwood Farm
Marty Winn
(276) 732-1247

Locust Level Farm
Mike McDowell
(434) 575-4850

George Winn
G & E Test Center
(434) 489-4458

SHELTON ANGUS • DOGWOOD FARM • LOCUST LEVEL

Welcome to the 2020 Shelton Angus - Dogwood Farm - Locust Level Fall Bull Sale. This will be a year that is historically stamped in all of our memories. We hope and pray that you and your families have remained safe. We have worked to make this sale experience as safe and comfortable for everyone as possible. There will be video footage of the bulls available before sale day at www.sheltonangus.com. We will have an internet bidding option through Live Auctions.TV. More information is listed below. We plan for the bulls to be available for easy viewing from the afternoon of Wednesday, November 18 until sale day. Telephone bidding options will be available also. Call one of the numbers listed below for more details. We plan to be able to gather in the sale barn as usual, but the bulls will sell with video footage and will not come through the sale ring. We are working with regulations on how and what can be provided for lunch, but there will be food available at the barn on sale day. If you have any particular concerns, please call and we will do our best to help.

We have a special set of bulls to offer. The yearlings had the best performance as a group that we have seen in several years. Their genomic evaluation is just as impressive. The group of older spring born bulls is easily the best that has ever come to this sale. All of the data that is available is listed in this book and the number of individuals that are breed leaders for various traits are substantial in this year's offering. The bulls that are noted as FOOT EPD LEADERS are in the top 35% for composite foot percentile.

We hope to see you on the 21st. Thank you for your continued interest.

Regards,

Buddy Shelton
Shelton Angus Farm
(434) 251-7149
WHSAngus@sheltonva.com

Marty Winn
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Mike McDowell
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**Video available
starting Nov. 10th at
www.sheltonangus.com**

**LiveAuctions.TV
2.0**

If you are unable to attend the sale in person, please participate online in real-time via LiveAuctions.TV. Register for a bidding number prior to sale time at www.liveauctions.tv. For more information contact Margo Paeltz at (937)-515-1194. For technical support call (817)-725-8595.

Bull Guarantee

All bulls have passed physical exams for breeding soundness including rectal palpation and scrotal measurement by Dr. Pete Fulper, DVM and semen evaluation by Dr. Paul Erwin, DVM and Dr. Jon Collins, DVM. Even though these bulls have passed every indication of being excellent breeders, it is extremely necessary to observe these young bulls to see that they service and settle cows. All bulls are guaranteed to be satisfactory breeders for one year from date of sale provided they are properly managed and cared for. All claims are limited to the purchase price of the bull minus salvage value, if any, and is redeemable in credit on future bull purchases.

SHELTON ANGUS • DOGWOOD FARM • LOCUST LEVEL

1 WHS Sure Fire 58G 10/10/18 58G 19479076
 SIRE: GAR Sure Fire
 MGS: S S Objective T510 OT26
 MGGS: Bon View New Design 878

DOC	+22	\$M	72	\$B	129
		\$W	78	\$C	239

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
81	105	526	81	1009	89	4.09	10.7	84	4.15	95	5.1	39.2	+8	+2.2	+65	+116	+34	+24	+93

58G is a full two year old that bred cows at Shelton Angus last winter. His performance was compromised last year by a pre-wean respiratory illness, but his DNA moved his EPD projections to what we expected. His dam is a picture perfect older Objective daughter that has weaned 10 calves at a 104 ratio. Top 5% MILK and 10% \$W.

2	WHS Niagara 26G	10/11/18	26G	19484867
	SIRE: SS Niagara Z29			
	MGS: GAR New Design 5050			
	MGGs: Rito 6I6 of 4B20 6807			
			DOC +31	\$M 51 \$B 171 \$W 44 \$C 273

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
83	108	632	98	1098	97	3.79	11.6	91	5.32	122	6.3	33.2	+7	-3	+46	+101	+25	+77	+1.06

FOOT EPD LEADER This two year old did not benefit from the new DNA test because of his older dam, but he sure looks the part. He is big hipped and long bodied with as close to ideal feet as you will find. We have some great baby calves from this super docile Niagara son. Top 3% DOC, 10% MARB, 4% \$B, and 10% \$C.

3 LLF 877 Niagara 909 2/04/19 909 19672637 ET
 SIRE: S S Niagara Z29
 MGS: ALC Big Eye D09N
 MGGS: GAR Predestined

DOC	+30	\$M	48	\$B	172
		\$W	81	\$C	271

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
76	100	n/a	n/a	1171	100	4.62					6.2	34.1	+5	+1.8	+72	+133	+34	+1.25	+.65

FOOT EPD LEADER Flush mate to Lot 6. This maternal brother to One Way Up shows all the indicators for high growth and carcass quality. If you like docile cattle, 909 is one of the highest for DOC EPD. Top 10% WW, 5% YW, 5% MILK, 2% CW, 1% RE, 5% \$W, 4% \$B, 10% \$C.

4 LLF 428 Niagara 913 2/07/19 913 19628958
 SIRE: S S Niagara Z29
 MGS: Werner War Party 2417
 MGGs: GAR New Design 5050

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
78	101	749	118	1333	112	4.40					6.3	38.2	+4	+3.0	+78	+144	+43	+1.16	+83

Great bulls come from great cows. 913's War Party dam is a daughter of the dam of the ABS A.I. sire LLF Validation. She has progeny ratios of 4/111 weaning and 4/108 yearling. Study the performance, DNA percentiles, and EPDs - all indicators say POWER. Top 4% WW, 2% YW, 1% MILK, 1% CW, 2% RE, 2% \$W, 2% \$B, 5% \$C.

5	LLF 417 Niagara 914	2/08/19	914	19600078						
	SIRE: S S Niagara Z29									
	MGS: GAR New Design 5050				DOC	+25	\$M	40	\$B	170
	MGGs: O C C Emblazon 854E						\$W	71	\$C	260

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
76	99	632	100	1270	107	5.71					6.0	35.3	-2	+2.5	+71	+134	+30	+1.09	+81

FOOT EPD LEADER 914 is one of the highest projected foot quality bulls in the sale. Tremendous growth and carcass quality are in this high performing, 6 frame Niagara son. Top 10% WW, 5% YW, 10% CW, 2% RE, and 5% \$B.

6 LLF 877 Niagara 915 2/08/19 915 19667325 ET

SIRE: S S Niagara Z29

MGS: ALC Big Eye D09N

MGGs: GAR Predestined

DOC +14

\$M	66	\$B	155
\$W	80	\$C	267

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
73	100	n/a	n/a	1267	100	3.99					6.3	32.2	+2	+2.8	+79	+130	+24	+1.08	+69

FOOT EPD LEADER Flush mate to Lot 3. This is one of the very best for foot quality predictions. 915 is an ET son of the dam of the LLF Select Sires member, One Way Up. Great growth and carcass quality are found here. 915 is very complete. Top 3% WW, 10% YW, 10% CW, 3% RE, 5% \$W, and 10% \$C.

7 LLF 9117 Niagara 916 2/09/19 916 19628966 DDC

SIRE: S S Niagara Z29

MGS: ALC Big Eye D09N

MGGs: Rito 112 of 2536 Rito 616

DOC +18

\$M	55	\$B	157
\$W	73	\$C	259

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
81	105	615	97	1189	100	4.45					6.1	35.4	+5	+2.7	+69	+117	+30	+0.88	+88

FOOT EPD LEADER This Niagara comes from a 9 year old Big Eye dam that stems from the great LLF donor, Blackcap 345. Well balanced EPDs across the spectrum - no holes to be found. Top 10% RE.

8 LLF 430 Niagara 918 2/09/19 918 19628955

SIRE: S S Niagara Z29

MGS: B/R New Day 454

MGGs: ALC Big Eye D09N

DOC +23

\$M	54	\$B	155
\$W	89	\$C	255

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
69	90	670	106	1110	93	2.98					7.1	33.3	+12	-1.1	+75	+129	+32	+1.34	+47

Double digit CED and negative BW with corresponding DNA scores validate this Niagara's worth as a heifer bull. His growth EPDs are top end and 1 percentile RE DNA means extreme muscle.

Top 10% CED, 10% BW, 10% WW, 10% YW, 10% MILK, 1% RE, and 2% \$W.

9 LLF 731 Treasure 926 2/21/19 926 19600079

SIRE: MGR Treasure

MGS: K C F Bennett Fortress

MGGs: GAR New Design 5050

DOC +24

\$M	58	\$B	143
\$W	64	\$C	243

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
72	104	630	99	1166	98	4.76					5.7	33.7	+10	-.1	+67	+131	+21	+0.27	+1.06

Good calving ease projections are found in 926 by his double digit CED and negative BW EPDs. His high growth and extremely high marbling predictions make this Treasure son very useful. Top 10% YW, and 10% MARB.

10 LLF 744 Treasure 927 2/25/19 927 19600080 DDC

SIRE: MGR Treasure

MGS: K C F Bennett Fortress

MGGs: GAR Progress

DOC +16

\$M	63	\$B	148
\$W	78	\$C	255

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
74	106	651	103	1248	105	5.06					5.8	35.8	+10	+5	+78	+142	+27	+0.51	+81

We just don't make many +10 CED bulls that are over 140 YW. 927's spread from very moderate BW to breed leading yearling growth is impressive. Top 4% WW, 2% YW, 10% \$W.

11 LLF 221 Treasure 929 2/28/19 929 19665736

SIRE: MGR Treasure

MGS: Mytty In Focus

MGGs: B/R New Design 036

DOC +30

\$M	49	\$B	159
\$W	73	\$C	255

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
76	99	710	112	1350	113	4.88					6.3	37.9	+4	+3.0	+94	+168	+14	+72	+57

Treasure is a dominant growth sire and this is certainly seen in 929. Look at his individual performance, DNA rankings, and EPDs, they all say elite growth. 929's superiority can be traced maternally to the great Blackcap 345.

Top 1% WW, 1% YW, 4% DOC, 2% CW, and 10% \$B.

12 LLF 404 Treasure 930 3/04/19 930 19665732

SIRE: MGR Treasure

MGS: Plattermere Weigh Up K360

MGGs: Boyd New Day 8005

DOC +18

\$M	54	\$B	174
\$W	69	\$C	280

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
86	112	594	94	1231	103	5.19					6.3	34.0	+0	+4.4	+89	+157	+16	+50	+1.03

Look at the growth in this Treasure son. Breed leading EPDs for WW and YW are validated by DNA scores of 1 and 3. His DNA also tells us he is a breed leader for Marbling. Top 1% WW, 1% YW, 4% CW, 10% MARB, 3% \$B, and 5% \$C.

13 LLF 708 Fortress 904 1/29/19 904 19600073

SIRE: K C F Bennett Fortress

MGS: SandPoint Butkus X797

MGGs: Boyd Forward 6025

DOC +30

\$M	51	\$B	166
\$W	88	\$C	266

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
67	97	624	98	1234	104	3.98					6.4	35.0	+7	+1.9	+94	+162	+21	+53	+94

From a phenotypical view, 904 is the stud of these older bulls - wide based and thick. This 6 frame Fortress has one of the highest docility rankings of the sale. Look at the growth EPDs - there is real power here.

Top 1% WW, 1% YW, 4% DOC, 5% CW, 2% \$W, and 10% \$B.

14 LLF 722 Fortress 907 2/01/19 907 19600076

SIRE: K C F Bennett Foretress

MGS: Connealy Comrade 1385

MGGs: WHS Limelight 64V

DOC +24

\$M	62	\$B	142
\$W	92	\$C	246

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
70	101	689	109	1356	114	5.30					5.7	37.0	+9	+4	+85	+143	+25	+74	+66

Don't miss the test gain and adjusted yearling weight on 907. This performance combined with superior DNA rankings formulated breed leading growth EPDs. Very moderate BW and above average CED come as a bonus.

Top 1% WW, 2% YW, and 1% \$W.

15 LLF 504 Fortress 910 2/06/19 910 19628965

SIRE: K C F Bennett Fortress

MGS: Sitz Upside 547W

MGGs: H S A F Bando 1961

DOC +4

\$M	55	\$B	134
\$W	89	\$C	229

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
77	101	645	102	1303	109	5.26					6.0	37.4	+9	+5	+85	+148	+22	+70	+34

There is huge growth in this Fortress, but don't overlook his very moderate BW. Individual performance, DNA rankings and EPD percentiles vouch for the elite genetic growth potential of 910. His different bottom side pedigree also offers some out cross potential. Top 1% WW, 1% YW, and 2% \$W.

16 LLF 076 Fortress 919 2/10/19 919 19629003

SIRE: K C F Bennett Fortress

MGS: S A V Final Answer 0035

MGGs: ALC Big Eye D09N

DOC +19

\$M	63	\$B	134
\$W	86	\$C	237

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
84	109	591	93	1085	91	4.89					6.3	35.2	+7	+1.9	+65	+113	+40	+84	+71

919 has extremely high projections for milk and very moderate projections for mature daughter size. He should make great daughters! Top 1% MILK and 2% \$W.

17 LLF 320 Fortress 922 2/13/19 922 19628995

SIRE: K C F Bennett Fortress

MGS: WHS Limelight 64V

MGGs: ALC Big Eye D09N

DOC +13

\$M	52	\$B	139
\$W	77	\$C	232

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
78	101	543	86	n/a	n/a	n/a					n/a	n/a	+10	-.1	+66	+111	+25	+60	+88

A Fortress out of a Limelight - that's a southside Virginia pedigree. Double digit CED and negative BW combine with high weaning and yearling growth in 922. There are no short falls in this EPD profile. Top 10% \$W.

18 DWF Niagara of B35 G16 9/12/19 G16 19729494

SIRE: SS Niagara Z29

MGS: GAR Composure

MGGs: Bonview New Design 1407

DOC +22

\$M	53	\$B	134
\$W	67	\$C	227

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
80	121	628	115	1294	108	4.79	13.0	107	4.55	114	6.1	36.1	+0	+3.3	+74	+140	+26	+95	+50

FOOT EPD LEADER Growth and muscle are consistent in the Niagara cattle and G16 certainly plays his part. Notice his test performance of daily gain and yearling weight. This 6 frame calf came to Gretna to eat and grow!

Top 10% WW, 3% YW, and 10% RE.

19 LLF 525 Niagara 975 9/12/19 975 19812268

SIRE: SS Niagara Z29

MGS: GAR Profit

MGGs: GAR Predestined

DOC +23

\$M	63	\$B	164
\$W	75	\$C	276

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
78	113	558	106	1201	100	4.69	12.8	99	4.65	103	5.3	35.1	+4	+3.1	+75	+136	+30	+64	+1.02

975 is not for heifers, but there is no other scenario he can't cover. High growth and carcass quality are evidenced by his performance and DNA profile. Very high heifer pregnancy, milk, and docility round out his usefulness.

Top 10% WW, 4% YW, 10% MARB, 10% \$W, 10% \$B, and 10% \$C.

20 DWF Niagara of D14 G20 9/13/19 G20 19729476

SIRE: SS Niagara Z29

MGS: WR Journey-1X74

MGGs: Silveiras Conversion 9064

DOC +15

\$M	49	\$B	152
\$W	60	\$C	246

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
70	111	657	95	1292	108	4.20	14.9	116	3.72	82	6.3	37.1	+5	+1.8	+59	+116	+28	+76	+62

FOOT EPD LEADER This 6 frame, 1300 lb yearling, 15 inch ribeye individual will definitely impress in the flesh. He is deep, soggy, and wide based. There are no holes to be found in this well rounded genetic package.

21 DWF Niagara of X4 G22 9/14/19 G22 19729486 M1P

SIRE: SS Niagara Z29

MGS: Silveiras Out West 7026

MGGS: TC Total 410

DOC +15

\$M	35	\$B	123
\$W	51	\$C	195

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
45	68	548	100	1167	97	4.70	10.9	89	3.52	88	4.3	35.6	+10	+0	+57	+104	+19	+42	+75

FOOT EPD LEADER This bull has top 10% EPDs for both CLAW and ANGLE. This is one of the more moderate size Niagara sons of the offering. Double digit CED and zero BW should put him on any heifer breeding list.

22 DWF Niagara of X9 G25 9/14/19 G25 197395487

SIRE: SS Niagara Z29

MGS: S A V Bismarck 5682

MGGS: O C C Emblazon 854E

DOC +25

\$M	42	\$B	160
\$W	72	\$C	250

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
62	94	574	105	1180	99	4.43	12.8	105	2.47	62	4.8	31.6	+4	+2.8	+77	+140	+25	+76	+28

The DNA evaluation of G25 suggests that he is superior for both weaning and yearling performance. His maternal pedigree offers some out cross potential from this high growth candidate that is also very high for docility.

Top 4% WW, 3% YW, 2% CW, and 10% \$B.

23 WHS Niagara H1 9/14/19 H1 19769673 ET

SIRE: SS Niagara Z29

MGS: Sitz Upward 307R

MGGS: GAR New Design 5050

DOC +10

\$M	71	\$B	124
\$W	76	\$C	232

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
73	91	698	103	1252	105	4.19	13.6	97	5.06	108	6.1	38.1	+13	-1.4	+68	+118	+26	+73	+53

FOOT EPD LEADER Flush mate to Lot 31. H1 is a heifer bull with more to offer. This long bodied, flashy, 6 frame bull has added growth, size, and hip shape. H1's double digit CED and negative BW are solidified by single digit DNA percentiles.

Top 10% CED, 10% BW, and 10% \$W.

24 DWF Niagara of C18 G32 9/17/19 G32 19729469

SIRE: SS Niagara Z29

MGS: S A V Resource 1441

MGGS: Werner War Party 2417

DOC +10

\$M	49	\$B	119
\$W	63	\$C	203

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
62	95	705	102	1275	107	4.08	13.3	103	4.65	103	5.4	34.9	+12	-2.1	+49	+98	+34	+83	+54

FOOT EPD LEADER Above average foot quality projections come from both sides of this pedigree. 5 and 2 DNA percentiles for CED and BW show this bull to be a definite heifer candidate. Don't dismiss G32 to be just a calving ease specialist until you see him. He is as wide, deep, and thick hipped as any we offer. Top 10% CED, 3% BW, and 5% MILK.

25 DWF Niagara of D4 G36 9/18/19 G36 19729461

SIRE: SS Niagara Z29

MGS: WR Journey-1X74

MGGS: S A V Bismarck 5682

DOC +16

\$M	48	\$B	135
\$W	70	\$C	223

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
62	98	744	108	1389	116	4.52	14.1	109	2.73	60	5.6	37.3	+11	+0	+64	+113	+27	+1.04	+23

FOOT EPD LEADER Its hard to classify G36 as a calving ease bull when you see how powerful he is, but the DNA says his CED and BW EPDs are accurate. The real story here is the explosive performance and powerful, heavy muscled construction. Top 3% RE.

26 DWF Niagara of C33 G37 9/19/19 G37 19729472

SIRE: SS Niagara Z29

MGS: GAR Prophet

MGGS: ALC Big Eye D09N

DOC +27

\$M	60	\$B	147
\$W	68	\$C	251

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
70	108	673	97	1259	105	4.40	13.0	101	5.28	117	5.4	34.5	+9	+2	+63	+118	+27	+74	+89

FOOT EPD LEADER Highest composite Foot EPD percentile of the sale. This Niagara is very moderate for BW and well balanced on all traits. There are no genomic holes in this profile. Top 10% DOC.

27 DWF Niagara of B14 G45 9/22/19 G45 19729493

SIRE: SS Niagara Z29

MGS: R5 Monument 087

MGGS: O C C Emblazon 854E

DOC +27

\$M	35	\$B	171
\$W	63	\$C	257

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
65	98	616	113	1237	103	4.34	12.4	102	3.07	77	5.4	35.4	-2	+3.6	+76	+140	+21	+81	+41

There is a tremendous amount of bone and width of base in this Niagara. G45's EPDs predict him to be a power bull and he certainly looks the part. An out cross, bottom side pedigree adds to this high docility calf's usefulness.

Top 5% WW, 3% YW, 10% DOC, 2% CW, and 4% \$B.

28 WHS Niagara 92H 9/23/19 92H 19773648

SIRE: SS Niagara Z29

MGS: GAR Sure Fire

MGGS: Deer Valley All In

DOC +15

\$M	65	\$B	171
\$W	79	\$C	287

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
74	103	658	100	1224	102	4.21	12.6	93	5.94	122	5.4	35.4	+6	+9	+68	+129	+32	+60	+1.22

FOOT EPD LEADER This calf will catch your eye with his type. He is well balanced, square hipped, and clean fronted.

92H's top end marbling and milk projections compliment his outstanding growth.

Top 10% YW, 10% MILK, 3% MARB, 10% \$W, 4% \$B, and 4% \$C.

29 WHS Niagara 111H 9/29/19 111H 19773644

SIRE: SS Niagara Z29

MGS: Plattermere Weigh Up K360

MGGS: GAR New Design 5050

DOC +13

\$M	41	\$B	118
\$W	62	\$C	194

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
77	103	633	96	1175	98	4.09	11.9	88	3.61	74	5.5	33.1	+7	+7	+57	+108	+32	+66	+46

FOOT EPD LEADER The DNA evaluation was not helpful to this Niagara son, but he sure is the right type. 111H is long bodied, big boned, and square hipped with the look that feeder calf graders really appreciate. Don't overlook this good calf.

Top 10% MILK.

30 WHS Niagara 50H 9/30/19 50H 19773647

SIRE: SS Niagara Z29

MGS: Werner War Party 2417

MGGS: Mytty In Focus

DOC +29

\$M	59	\$B	179
\$W	89	\$C	291

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
80	107	774	117	1321	110	4.26	13.4	99	4.72	97	5.3	38.1	+4	+1.8	+80	+157	+38	+95	+74

50H is a very moderate framed bull, but he may be as wide based and blocky made as any bull we offer. He scored top 1 percentile DNA rankings for both yearling and carcass weight. 50H definitely has the easy keeping, grass production phenotype.

Top 3% WW, 1% YW, 2% MILK, 5% DOC, 1% CW, 10% RE, 2% \$W, 2% \$B, and 3% \$C.

31 WHS Niagara H6 10/02/19 H6 19779672 ET

SIRE: SS Niagara Z29

MGS: Sitz Upward 307R

MGGS: GAR New Design 5050

DOC +13

\$M	76	\$B	133
\$W	87	\$C	249

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
88	110	695	103	1273	106	4.72	14.3	102	4.37	93	6.1	37.7	+10	+1.4	+71	+122	+34	+66	+57

FOOT EPD LEADER Flush brother to Lot 23. H6 is a powerfully made, big ended Niagara with a tremendous amount of visual shape. He excelled at every test weight and recorded a big ribeye measurement and 6+ frame score.

Top 10% WW, 5% MILK, 10% \$M, and 2% \$W.

32 WHS Niagara 94H 10/25/19 94H 19782714

SIRE: SS Niagara Z29

MGS: WR Journey-1X74

MGGS: GAR Prophet

DOC +22

\$M	56	\$B	173
\$W	75	\$C	280

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
71	99	589	89	1125	94	4.32	14.2	105	5.38	111	5.2	33.5	+10	+5	+62	+115	+34	+77	+1.17

FOOT EPD LEADER Don't miss this calf because he's young. Double digit CED, low BW, more than adequate growth, and great carcass traits combine in this Niagara son. This is a wide based, thick made calf with one of the highest ribeye to scan weight ratios. Top 5% MILK, 4% MARB, 10% \$W, 4% \$B, and 5% \$C.

33 LLF 7106 Payweight 985 9/17/19 985 19816963

SIRE: Basin Payweight 1682

MGS: CTS Remedy 1T01

MGGS: Basin Payweight 1682

DOC +29

\$M	77	\$B	157
\$W	100	\$C	281

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
62	100	585	97	1254	105	4.90	14.4	104	3.99	84	4.9	37.7	+11	+1	+84	+150	+34	+63	+52

There is tremendous visual shape in this direct son of the great Payweight 1682. His power is evident in his average daily gain, yearling weight, and adjusted ribeye area. Take note of his unusual DNA rankings for CED, BW, WW, and YW that transferred to a phenomenal EPD profile. Top 1% WW, 1% YW, 5% MILK, 5% DOC, 3% CW, 10% \$M, 1% \$W, and 5% \$C.

34 LLF 794 Payweight 999 9/28/19 999 19834040

SIRE: Basin Payweight 1682

MGS: K C F Bennett Fortress

MGGS: ALC Big Eye D09N

DOC +20

\$M	70	\$B	133
\$W	93	\$C	243

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
75	119	597	99	1111	93	3.27	12.4	90	5.43	115	4.8	36.1	+8	+1.7	+72	+121	+36	+48	+79

This Payweight is stout made and moderate framed. His projections for milk and sustainable mature daughter size should make him a great sire of easy keeping, trouble free grass type cattle. Top 10% WW, 3% MILK, and 1% \$W.

35 DWF Playbook of C35 G19 9/13/19 G19 19729473

SIRE: TEX Playbook 5437

MGS: JMB Traction 292

MGGS: PA Safeguard 021

DOC +24

\$M	59	\$B	164
\$W	67	\$C	272

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
70	108	746	108	1242	104	3.60	15.3	119	4.03	89	5.8	37.8	+2	+3.4	+70	+124	+25	+76	+65

The Playbook sons that have a little more size and power are really special. Great performance and a 15+ inch ribeye, show this deep bodied calf to have extra horse power. Top 5% CW, 10% \$B, and 10% \$C.

36 WHS Playbook 9H 9/13/19 9H 19762474

SIRE: TEX Playbook 5437

MGS: K C F Bennett Fortress

MGGS: Connealy Mentor 7374

DOC +22

\$M	73	\$B	137
\$W	79	\$C	251

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
70	104	717	108	1279	107	4.18	13.5	100	4.67	96	6.6	37.6	+12	-.3	+66	+118	+31	+44	+75

A 6.6 frame Playbook son is hard to find. If you value all of the great traits of this sire group (calving ease, milk, and docility) but need more size, then 9H is a viable candidate. 2 and 5 DNA percentiles for CED and BW verify 9H's calving ease reliability. Top 10% CED and 10% \$W.

37 DWF Playbook of Z6 G23 9/14/19 G23 19729489

SIRE: TEX Playbook 5437

MGS: Connealy Confidence 0100

MGGS: S A V Bismarck 5682

DOC +29

\$M	63	\$B	124
\$W	67	\$C	224

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
55	83	566	103	1009	84	3.74	11.2	92	3.25	81	4.3	35.6	+12	-.3	+53	+97	+30	+43	+31

This pedigree combines multiple generations of moderate, grass type producers. G23 has all the pieces for reliable calving ease, high docility, moderate mature size, and low energy requirements. Look here for the trouble free, easy keeping, low input kind. Top 10% CED.

38 WHS Playbook 99H 9/16/19 99H 19769679

SIRE: TEX Playbook 5437

MGS: K C F Bennett Fortress

MGGS: Hoover Dam

DOC +21

\$M	61	\$B	162
\$W	85	\$C	271

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
65	97	702	106	1372	115	5.19	16.7	124	4.39	91	6.1	36.7	+10	+.4	+81	+152	+27	+84	+68

The adjusted yearling weight, ribeye area, and average daily gain of this Playbook son are tops of this test group. Take note of his single digit DNA percentiles for CED, BW, WW, and YW. He is the third highest YW EPD Playbook son in the country. You will find 99H to be as impressive and attractive in the flesh as he is on paper. Top 2% WW, 1% YW, 10% CW, 3% \$W, 10% \$B, and 10% \$C.

39 WHS Playbook 96H 9/29/19 96H 19773664

SIRE: TEX Playbook 5437

MGS: GAR Prophet

MGGS: GAR New Design 5050

DOC +26

\$M	84	\$B	136
\$W	84	\$C	260

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
84	112	704	107	1298	108	4.23	13.1	97	6.50	134	6.5	34.1	+13	+.8	+61	+112	+41	+28	+98

96H is a big stout Playbook with tremendous individual performance. He has his sires trademarks of calving ease, milk, and docility, but his size and marbling are unique. Top 10% CED, 1% MILK, 10% MARB, 3% \$M, and 3% \$W.

40 WHS Playbook 95H 10/06/19 95H 19779674

SIRE: TEX Playbook 5437

MGS: GAR Prophet

MGGS: Mytty In Focus

DOC +17

\$M	87	\$B	135
\$W	90	\$C	262

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
79	107	682	103	1320	110	4.73	14.3	106	4.13	85	5.6	33.0	+14	-.6	+68	+120	+35	+44	+59

FOOT EPD LEADER Maternal brother to Lots 41, 42, and 43. This calving ease specialist has all the pieces - double digit CED, negative BW, and single digit DNA percentiles for these traits. His full brother was a sale topper here last year and 95H has the same high growth and moderate mature daughter size profile. Top 4% CED, 4% MILK, 2% \$M, and 1% \$W.

41 WHS Growth Fund H2 9/20/19 H2 19769676 ET

SIRE: Deer Valley Growth Fund

MGS: GAR Prophet

MGGs: Mytty In Focus

DOC +26

\$M	60	\$B	166
\$W	83	\$C	275

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
82	104	679	100	1229	103	4.74	14.5	104	4.54	97	5.9	34.2	+9	+6	+89	+155	+18	+94	+67

FOOT EPD LEADER Flush mate to Lots 42 and 43 and maternal brother to Lot 40. Growth Fund is positioning himself to be one of the great sires of the breed and this flush is one of our best ever. Very moderate birth projections and extreme growth are here in a very sustainable phenotype. Top 1% WW, 1% YW, 3% CW, 10% RE, 4% \$W, 10% \$B, and 10% \$C.

42 WHS Growth Fund H8 10/14/19 H8 19782709 ET

SIRE: Deer Valley Growth Fund

MGS: GAR Prophet

MGGs: Mytty In Focus

DOC +24

\$M	77	\$B	141
\$W	98	\$C	260

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
78	100	713	100	1305	109	4.48	12.6	100	5.13	100	5.5	36.7	+10	+8	+90	+149	+27	+54	+62

FOOT EPD LEADER Flush mate to Lots 41 and 43 and maternal brother to Lot 40. H8 may be the most balanced bull of this great flush with moderate size, birth weight, and milk. He has the best foot score EPDs of the flush and impressive visual shape. Top 1% WW, 1% YW, 5% CW, 10% \$M, and 1% \$W.

43 WHS Growth Fund H9 10/14/19 H9 19782708 ET

SIRE: Deer Valley Growth Fund

MGS: GAR Prophet

MGGs: Mytty In Focus

DOC +31

\$M	62	\$B	196
\$W	109	\$C	315

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
83	105	783	116	1612	135	6.36	17.0	121	4.60	98	6.5	35.3	+10	+2.4	+104	+189	+35	+97	+68

FOOT EPD LEADER Flush mate to Lots 41 and 42 and maternal brother to Lot 40. H9 has exhibited the most growth of any calf ever produced at Shelton Angus. We believe this is a record for gain and yearling weight at the G&E test. He ranks #19 of 171,376 non-parent bulls for yearling weight with none of the leading 18 being over +5 for CED. He is the #1 YW EPD Growth Fund son in the country. His feet, movement, depth, and softness may be as impressive as his performance. Top 1% WW, 1% YW, 4% MILK, 3% DOC, 1% CW, 10% RE, 1% \$W, 1% \$B, and 1% \$C.

44 DWF Sure Fire of E6 G2 9/02/19 G2 19729466

SIRE: GAR Sure Fire

MGS: Hoover Elation M123

MGGs: S A V Bismarck 5682

DOC +29

\$M	75	\$B	124
\$W	79	\$C	236

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
56	97	649	94	1134	90	3.18	11.4	88	5.09	113	5.2	37.3	+15	-.6	+58	+106	+36	+33	+47

A 1 percentile DNA ranking for CED and 8 for BW, along with a 56 lb. actual birth weight, should make the calving ease of G2 extremely reliable. High heifer pregnancy comes from his Hoover Elation dam. Top 2% CED, 3% MILK, and 10% \$W.

45 DWF Sure Fire of E26 G8 9/08/19 G8 19729482

SIRE: GAR Sure Fire

MGS: SS Niagara Z29

MGGs: SydGen C C & 7

DOC +23

\$M	49	\$B	153
\$W	60	\$C	247

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
52	91	601	87	1257	105	4.43	12.6	98	5.65	125	5.5	40.5	+13	+1	+62	+124	+24	+48	+86

FOOT EPD LEADER There are a lot of performance and growth projections in this Sure Fire, but don't forget he is also +13 CED and near zero BW. G8 has the traits we expect from his sire - high docility, superior marbling, and large scrotal. Top 10% CED.

46 WHS Sure Fire 14H 9/26/19 14H 19773650

SIRE: GAR Sure Fire

MGS: PA Full Power 1208

MGGS: Bon View New Design 878

DOC +28

\$M	65	\$B	176
\$W	81	\$C	293

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
86	116	700	106	1231	103	4.09	12.3	91	5.01	103	6.5	36.2	+3	+3.5	+85	+149	+25	+46	+1.07

DNA moved this Sure Fire son away from the heifer safe range, but it solidified his elite growth with weaning and yearling percentiles of 1 and 2. Carcass weight, marbling, and docility are added bonuses of this big, stout, 6+ frame power bull. Top 1% WW, 1% YW, 10% DOC, 4% CW, 10% MARB, 5% \$W, 3% \$B, and 3% \$C.

47 WHS Sure Fire 37H 10/08/19 37H 19779679

SIRE: GAR Sure Fire

MGS: B/R New Day 454

MGGS: Sitz Alliance 6595

DOC +15

\$M	52	\$B	162
\$W	54	\$C	262

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
86	115	622	94	1108	93	3.99	13.5	100	4.93	102	5.9	40.4	+9	+1.5	+53	+91	+22	+92	+1.03

The older bottom side pedigree of New Day 454 and Alliance 6595 won't blow away the DNA driven EPDs today, but these genetics are as solid and grass proven as we can make. There is no flash, but no holes either in this Sure Fire son that projects moderate birth weight and added carcass quality. Top 10% MARB, 10% RE, and 10% \$B.

48 WHS Sure Fire 110H 10/14/19 110H 19782706

SIRE: GAR Sure Fire

MGS: Hoover Dam

MGGS: Sitz Upward 307R

DOC +20

\$M	73	\$B	133
\$W	76	\$C	246

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
83	111	689	104	1215	102	4.21	13.7	101	5.41	112	5.8	42.6	+11	+0	+60	+105	+35	+72	+80

FOOT EPD LEADER Maternal brother to Lots 50 and 52. The DNA profile moved this natural Sure Fire son of our Hoover Dam donor more to the calving ease range. 110H recorded positive test performance and carcass scan data along with very large yearling scrotal circumference. This calf has breed leading heifer pregnancy projections. Top 4% MILK and 10% \$W.

49 WHS Ashland 114H 9/08/19 114H 19762468

SIRE: GAR Ashland

MGS: Quaker Hill Rampage 0A36

MGGS: GAR New Design 5050

DOC +28

\$M	54	\$B	195
\$W	84	\$C	307

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
63	95	709	107	1394	116	4.76	16.4	121	5.21	107	6.0	36.5	+16	-1	+81	+144	+27	+1.25	+1.14

Not many bulls can check the boxes that 114H can. Breed leading CED, top end growth and elite carcass in the same package is hard to find. Notice his DNA percentiles for CED and carcass, as well as, the individual performance and scan data. 114H was a leader in all aspects of the test, while remaining one of the leanest bulls of the group.

Top 1% CED, 2% WW, 2% YW, 10% DOC, 10% CW, 5% MARB, 1% RE, 3% \$W, 1% \$B, and 1% \$C.

50 WHS Ashland H4 9/24/19 H4 19773655 ET

SIRE: GAR Ashland

MGS: Hoover Dam

MGGS: Sitz Upward 307R

DOC +22

\$M	60	\$B	177
\$W	99	\$C	290

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
74	94	657	97	1276	107	4.91	14.5	104	5.33	114	6.0	31.6	+11	+1.2	+87	+153	+34	+96	+94

Flush mate to Lot 52 and maternal brother to Lot 48. This ET Ashland covered all the bases - moderate birth, high growth, and excellent carcass. His DNA profile certainly validates his individual performance. This son of our Hoover Dam donor is a must see! Top 1% WW, 1% YW, 5% MILK, 4% CW, 10% RE, 1% \$W, 3% \$B, and 3% \$C.

51 WHS Ashland 7H 10/03/19 7H 19779670

SIRE: GAR Ashland

MGS: Plattermere Weigh Up K360

MGGS: Mytty In Focus

DOC +28

\$M	63	\$B	185
\$W	92	\$C	303

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
64	96	689	104	1287	108	4.50	15.1	112	3.03	62	5.6	36.3	+12	+1.3	+90	+159	+26	+1.23	+63

There are breed leading growth projections in this Ashland/Weigh Up son that is a grandson of the full sister to WHS Lime-light 64V. Extreme ribeye genetics compliment this growth and +12 CED is an added bonus.

Top 10% CED, 1% WW, 1% YW, 10% DOC, 1% CW, 1% RE, 1% \$W, 1% \$B, and 1% \$C.

52 WHS Ashland H10 10/23/19 H10 19782707 ET

SIRE: GAR Ashland

MGS: Hoover Dam

MGGS: Sitz Upward 307R

DOC +27

\$M	75	\$B	170
\$W	90	\$C	295

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
74	93	641	95	1227	103	4.31	14.2	101	5.36	114	6.2	32.9	+13	-.5	+78	+135	+30	+1.06	+1.06

Flush mate to Lot 50 and maternal brother to Lot 48. H10 is the calving ease member of this flush, validated by 3 and 3 percentiles for CED and BW. Growth projections are still top end and carcass EPDs are elite. The Ashland progeny are in demand across the country. Top 10% CED, 4% WW, 5% YW, 10% DOC, 10% MARB, 3% RE, 1% \$W, 5% \$B, and 2% \$C.

53 LLF 694 Fortress 942 8/27/19 942 19812260

SIRE: K C F Bennett Fortress

MGS: SandPoint Butkus X797

MGGS: Werner War Party 2417

DOC +15

\$M	68	\$B	123
\$W	78	\$C	228

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
48	73	583	97	1081	90	2.90	13.8	100	3.21	68	5.1	34.1	+15	-2.3	+71	+125	+23	+5.2	+5.3

942 bridges heifer safe calving ease and breed leading growth as well as any bull can. +15 CED and negative 2.3 BW with a 48 lb. actual birth weight should be as reliable as you can find for a heifer breeding project.

Top 2% CED, 3% BW, 10% WW, and 10% \$W.

54 LLF 692 Fortress 964 9/08/19 964 19812254

SIRE: K C F Bennett Fortress

MGS: Plattermere Weigh Up K360

MGGS: SS Objective T510 OT26

DOC +13

\$M	61	\$B	145
\$W	81	\$C	249

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
72	107	576	96	1098	92	3.81	11.4	83	5.24	111	4.8	35.0	+12	+1	+68	+123	+30	+60	+85

There is an impressive spread from birth to yearling in this Fortress/Weigh Up son. +12 CED and near 0 BW climbs to over +120 for YW. 964 scanned very high for marbling which adds carcass quality to this well rounded list of credentials.

Top 10% CED and 5% \$W.

55 LLF 685 Fortress 970 9/11/19 970 19812259

SIRE: K C F Bennett Fortress

MGS: SandPoint Butkus X797

MGGS: B/R New Day 454

DOC +26

\$M	79	\$B	136
\$W	75	\$C	255

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
40	61	598	99	1070	89	3.10	14.7	107	3.24	68	4.3	36.0	+14	-1.7	+72	+124	+19	+66	+58

There is real calving ease potential in this Fortress son. +14 CED, negative BW, and impressive DNA percentile rankings for these traits, suggest 970 should definitely be heifer safe. His genomic rankings indicate he is a superior growth bull and he recorded as much ribeye per hundred weight as any bull here. Top 4% CED, 5% BW, 10% WW, 10% \$M, and 10% \$W.

56 LLF 697 Fortress 976 9/12/19 976 19812251

SIRE: K C F Bennett Fortress

MGS: Deer Valley All In

MGGs: Boyd Forward 6025

DOC +15

\$M	49	\$B	123
\$W	71	\$C	209

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
64	96	598	99	1113	93	3.36	12.7	92	3.66	77	5.3	35.6	+9	+5	+71	+118	+21	+46	+63

976 is a power bull that remains very moderate for birth weight and above breed average for calving ease direct. His scan data shows him to be one of the leaner bulls in the group. You will appreciate the visual thickness and shape down his top.
Top 10% WW.

57 LLF 583 Fortress 980 9/14/19 980 19812266

SIRE: K C F Bennett Fortress

MGS: PA Power Tool 9108

MGGs: LLF Validation

DOC +20

\$M	52	\$B	149
\$W	85	\$C	245

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
82	119	699	132	1349	113	4.08	13.7	106	5.28	117	5.6	37.8	+5	+2.2	+85	+152	+26	+81	+57

980 is a growth and performance power house that was a leader of his contemporaries at every measurement. His width of base, depth, and over all mass are as impressive as his performance. His elite WW and YW EPDs are matched by his DNA scores for these traits. Top 1% WW, 1% YW, and 3% \$W.

58 WHS Fortress 39H 9/24/19 39H 19773645

SIRE: K C F Bennett Fortress

MGS: GAR New Design 5050

MGGs: ALC Big Eye D09N

DOC +16

\$M	47	\$B	142
\$W	67	\$C	231

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
82	109	724	110	1383	116	4.87	15.5	115	5.00	103	6.5	37.9	+3	+2.9	+70	+126	+26	+82	+49

This is a bull that is easy to find when you walk through the group. He is big, stout, and powerful. Recording a 116 yearling ratio, 6+ frame score, and 15.5 inch ribeye puts him in small company amongst his peers. Top 10% YW.

59 WHS Fortress 32H 9/25/19 32H 19773646

SIRE: K C F Bennett Fortress

MGS: G A R Composure

MGGs: B C C Bushwacker 41-93

DOC +11

\$M	59	\$B	133
\$W	81	\$C	232

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
78	104	666	101	1183	99	4.26	14.8	110	3.43	71	5.5	38.0	+4	+1.5	+75	+121	+24	+78	+76

There is a lot of shape in this near 15 inch ribeye Fortress son. Only a pound and a half of birth weight EPD with over a hundred and twenty YW make him useful in about any scenario. Top 10% WW and 5% \$W.

60 WHS Fortress 117H 11/02/19 117H 19782713

SIRE: K C F Bennett Fortress

MGS: Connealy Comrade 1385

MGGs: Connealy Final Product

DOC +12

\$M	41	\$B	129
\$W	53	\$C	208

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
80	111	665	101	1223	102	4.08	12.8	95	4.43	91	6.3	39.7	+4	+1.6	+64	+116	+16	+37	+60

117H is a well balanced calf with moderate BW and top 25% growth EPDs. Notice his above average individual performance at both weaning and yearling. You won't find a firework EPD package here, but you will find a solid, good performing, long bodied, 6 frame bull.

61 LLF 765 Tahoe 944 8/29/19 944 19812315

SIRE: Tehama Tahoe B767

MGS: K C F Bennett Fortress

MGGS: GAR Prophet

DOC +8

\$M	67	\$B	184
\$W	97	\$C	306

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
59	96	602	100	1160	97	3.70	15.2	110	8.28	175	5.4	35.1	+10	+7	+84	+138	+29	+1.01	+1.60

This Tahoe son covers it all. Double digit CED and low BW turn to breed leading WW and YW projections. 944's DNA markers and actual scan data for marbling and ribeye prove him to be a truly unique individual. He is the highest marbling prospect we offer. Top 1% WW, 3% YW, 1% MARB, 4% RE, 1% \$W, 2% \$B, and 1% \$C.

62 WHS Tahoe 85H 9/06/19 85H 19762471

SIRE: Tehama Tahoe B767

MGS: GAR Sure Fire

MGGS: Sitz Upward 307R

DOC +26

\$M	96	\$B	118
\$W	98	\$C	249

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
56	85	668	101	1260	105	4.28	12.6	93	3.71	76	5.2	37.9	+10	-.4	+74	+118	+35	+77	+48

FOOT EPD LEADER DNA projects 85H to be one of the best foot quality bulls in this offering. \$M combines CED, WW, MILK, Mature Daughter Weight, DOC, Heifer Pregnancy, and Foot Quality. 85H has the highest \$M value of the sale offering. If you want to make daughters - take a good look here. Top 10% WW, 4% MILK, 1% \$M, and 1% \$W.

63 DWF Tahoe of C5 G6 9/07/19 G6 19729458

SIRE: Tehama Tahoe B767

MGS: Connealy Comrade 1385

MGGS: GAR Prophet

DOC +30

\$M	78	\$B	122
\$W	103	\$C	236

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
55	85	705	102	1275	107	3.86	12.0	93	5.83	129	5.2	39.6	+12	-1.3	+77	+127	+36	+58	+80

This Tahoe calf makes friends easily. He is super gentle with the balance, hip, and quarter shape of a fancy show steer. Double digit CED and negative BW lead his well rounded EPD package and his individual performance is just as complete. Top 10% CED, 10% BW, 4% WW, 10% YW, 3% MILK, 10% \$M, and 1% \$W.

64 LLF 549 Tahoe 965 9/09/19 965 19812332 DDC

SIRE: Tehama Tahoe B767

MGS: GAR Prophet

MGGS: GAR New Design 5050

DOC +14

\$M	65	\$B	174
\$W	104	\$C	291

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
82	119	674	112	1264	106	4.29	13.9	101	3.36	71	6.5	36.6	+11	+2.1	+87	+149	+41	+1.05	+92

965 is a larger framed Tahoe with an impressive amount of hip shape and depth of body. Single digit DNA percentiles for growth and carcass traits combined with his positive individual performance lead to breed topping EPDs. There is a lot of power in this bull to still be double digit CED.

Top 1% WW, 1% YW, 1% MILK, 3% CW, 3% RE, 1% \$W, 3% \$B, and 3% \$C.

65 DWF Tahoe of E15 G11 9/10/19 G11 19729481

SIRE: Tehama Tahoe B767

MGS: GAR Sure Fire

MGGS: JMB Traction 292

DOC +31

\$M	79	\$B	173
\$W	93	\$C	303

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
54	94	694	100	1270	106	3.71	13.9	108	4.57	101	5.3	37.5	+13	-.4	+74	+130	+33	+81	+1.04

This Tahoe/Sure Fire covers all areas of production. Double digit CED and negative BW lead to top end WW and YW. Carcass predilections are stellar and come with high milk and docility. This all results in breed leading elite \$C. Top 10% CED, 10% WW, 10% YW, 10% MILK, 3% DOC, 10% CW, 10% MARB, 10% \$M, 1% \$W, 4% \$B, and 1% \$C.

66 WHS Unique 45H 9/14/19 45H 19769680

SIRE: Deer Valley Unique 5635

MGS: Deer Valley All In

MGGs: GAR Predestined

DOC +9

\$M	69	\$B	147
\$W	81	\$C	260

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
73	99	704	107	1262	107	4.22	14.9	110	4.55	94	6.1	35.8	+12	-7	+70	+130	+31	+83	+65

This grandson of the dam of Limelight has double digit CED and negative BW calving projections, combined with high growth EPDs and excellent individual performance. He is a big ribeye, attractive 6 frame bull that offers a little more than the typical calving ease candidate. Top 10% CED, 10% YW, and 5% \$W.

67 WHS Unique 76H 9/27/19 76H 19773651

SIRE: Deer Valley Unique 5635

MGS: WHS Limelight 64V

MGGs: ALC Big Eye D09N

DOC +23

\$M	83	\$B	145
\$W	63	\$C	271

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
64	85	616	93	1117	93	3.66	13.2	98	4.92	101	5.2	32.1	+13	-.6	+54	+99	+27	+89	+73

FOOT EPD LEADER DNA projects this to be one of the best foot quality bulls in the offering and also marks him as a very safe heifer bull. Very moderate Mature Daughter Size and high Heifer Pregnancy, make this bull very interesting.

Top 10% CED, 10% RE, 3% \$M, and 10% \$C.

68 WHS Unique 91H 10/15/19 91H 19782705

SIRE: Deer Valley Unique 5635

MGS: WHS Limelight 64V

MGGs: Sitz Alliance 6595

DOC +26

\$M	73	\$B	161
\$W	65	\$C	282

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
71	105	635	96	1149	96	3.92	13.9	103	5.37	111	5.3	35.8	+5	+3.0	+74	+131	+19	+53	+85

FOOT EPD LEADER This Unique/Limelight calf was born a twin, but came on with impressive performance and scan data. He is a long sided bull with expressive shape that is a grandson of an Alliance daughter that produced well until 18 years of age. Top 10% WW, 10% YW, 10% \$B, and 5% \$C.

69 WHS Proactive 52H 9/14/19 52H 19769678

SIRE: GAR Proactive

MGS: CTS Remedy 1T01

MGGs: GAR Predestined

DOC +20

\$M	75	\$B	174
\$W	66	\$C	301

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
67	100	657	99	1295	108	4.67	13.4	99	5.45	112	6.1	37.1	+9	+6	+67	+126	+22	+87	+89

FOOT EPD LEADER You will find moderate birth weight combined with high growth and superior carcass potential in this Proactive/Remedy son. The long bodied 6 frame calf's granddam was also the dam of Limelight.

Top 10% YW, 3% \$B, and 2% \$C.

70 WHS Proactive 122H 10/12/19 122H 19779676

SIRE: GAR Proactive

MGS: K C F Bennett Fortress

MGGs: GAR Prophet

DOC +20

\$M	75	\$B	163
\$W	88	\$C	286

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
58	88	615	93	1196	100	4.34	12.0	89	6.08	125	5.5	36.0	+15	-1.5	+66	+123	+36	+77	+95

All the indicators say this bull is safe for heifers. Extreme CED, negative BW, and low actual birth weight have matching DNA calving ease percentiles. High growth, maternal, and carcass predictions coupled with very moderate Mature Daughter Size EPDs make 122H complete. Top 2% CED, 10% BW, 3% MILK, 2% \$W, 10% \$B, and 4% \$C.

71 DWF Blackhawk of C9 G10 9/10/19 G10 19729459

SIRE: Connealy Blackhawk 6198

MGS: Connealy Power Surge 3115

MGGs: Mytty In Focus

DOC +28

\$M	60	\$B	106
\$W	77	\$C	197

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
81	124	711	103	1228	103	3.98	10.9	84	4.84	107	5.8	37.7	+3	+2.0	+70	+125	+31	-.07	+35

The Blackhawk progeny are some of the highest growth individuals of the breed. High weaning and yearling EPDs match his positive individual ratios for these measurements. You will appreciate the depth and total body size of G10.

Top 10% DOC and 10% \$W.

72 DWF Blackhawk of Y18 G24 9/14/19 G24 194729498

SIRE: Connealy Blackhawk 6198

MGS: SydGen C C & 7

MGGs: GAR Selective

DOC +34

\$M	55	\$B	141
\$W	71	\$C	238

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
67	102	599	110	1063	89	2.69	10.9	89	3.79	95	5.3	32.6	+5	+1.6	+67	+124	+30	+38	+45

G24 has a different pedigree from most past offerings of this sale. Moderate BW, good growth, top Heifer Pregnancy, and high MILK, describe the well balanced genetic profile of this bull. He has the highest EPD for docility of any bull we offer.

Top 1% DOC.

73 WHS Flat Top 46H 9/07/19 46H 19762473

SIRE: Werner Flat Top 4136

MGS: CTS Remedy 1T01

MGGs: GAR Prophet

DOC +18

\$M	63	\$B	143
\$W	95	\$C	248

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
60	91	783	118	1417	118	4.84	12.9	96	5.75	119	5.5	36.4	+16	-3.1	+75	+137	+37	+41	+1.03

46H has been a favorite since he was a baby. He is extremely correct in his structure and very quiet. His growth and performance have been outstanding and his DNA evaluation agrees. This spread of elite calving ease and growth projections is rare, especially in an outcross pedigree. Top 1% CED, 1% BW, 10% WW, 4% YW, 2% MILK, 10% MARB, and 1% \$W.

74 WHS Black Magic H3 9/23/19 H3 19773662 ET

SIRE: Byergo Black Magic 3348

MGS: Plattermere Weigh Up K360

MGGs: Mytty In Focus

DOC +26

\$M	64	\$B	194
\$W	84	\$C	316

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
85	108	649	96	1283	107	4.71	13.2	94	4.68	100	5.7	40.8	+5	+3.2	+87	+160	+27	+1.04	+81

FOOT EPD LEADER This mating of the dominant power bull of the breed and the smallest mature size, lowest BW Weigh Up daughter we have, really worked. Moderate size, heavy muscling, extreme growth, and acceptable BW were the result in H3. This is a really cool, different pedigree power bull. Top 1% WW, 1% YW, 1% CW, 3% RE, 3% \$W, 1% \$B, 1% \$C.

75 WHS Weigh Up 18H 10/03/19 18H 19779671

SIRE: Plattermere Weigh Up K360

MGS: ALC Big Eye D09N

MGGs: B C C Bushwacker 41-93

DOC +3

\$M	53	\$B	127
\$W	78	\$C	218

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
74	100	690	104	1218	102	3.92	12.7	94	4.25	88	5.6	37.4	+13	-.8	+59	+101	+36	+39	+32

This will be our last direct Weigh Up son and he was produced by a 12 year old Big Eye daughter that is as sound in foot and udder as any cow we own. 18H's DNA moved him to the very reliable calving ease range of +13 CED and -.8 BW. He definitely has the look that you would want the graders to see in your feeder calves. Top 10% CED, 3% MILK, and 10% \$W.

76 DWF Payweight C28 of D8 G50 10/04/19 G50 19729464

SIRE: DWF Payweight of W2 C28

MGS: WR Journey-1X74

MGGS: ALC Big Eye D09N

DOC +24

\$M	58	\$B	126
\$W	65	\$C	221

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
60	95	670	97	1219	102	3.68	11.2	87	4.89	108	5.6	36.8	+7	+9	+59	+103	+28	+45	+73

FOOT EPD LEADER Very moderate BW leads this script of well rounded EPDs. G50 is a high docility, positive performing, Payweight grandson that has extra thickness and shape.

77 DWF Payweight C28 of D15 G51 10/05/19 G51 19729477

SIRE: DWF Payweight of W2 C28

MGS: Connealy Power Surge 3115

MGGS: GAR-EGL Protege

DOC +27

\$M	59	\$B	116
\$W	71	\$C	209

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
65	103	714	103	1309	109	4.33	13.0	101	3.61	80	5.1	38.8	+6	+2.4	+65	+114	+29	+58	+29

This Basin Payweight grandson was a winner at every measurement of his performance. Look at his 205 weight, average daily gain, and adjusted yearling weight and you will see this impressive growth in a moderate, sustainable frame size.

Top 10% DOC.

78 DWF Blackhawk of D29 G52 10/08/19 G52 19729480

SIRE: DWF Payweight of W2 C28

MGS: Connealy Power Surge 3115

MGGS: B/R New Day 454

DOC +22

\$M	41	\$B	156
\$W	75	\$C	243

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
72	114	687	99	1321	110	4.65	13.0	101	3.47	77	5.2	32.9	+5	+2.6	+79	+148	+27	+66	+62

FOOT EPD LEADER This Payweight grandson has phenomenal growth evident by his own individual performance and 1 percentile DNA ranking for yearling weight. This bull is big ended and expressively muscled. He is as attractive visually as he is on paper. Top 3% WW, 1% YW, 10% CW, and 10% \$W.

79 LLF 513 Payweight-576 9109 10/23/19 9109 19769665

SIRE: LLF 399 Payweight 576

MGS: GAR Prophet

MGGS: ALC Big Eye D09N

DOC +20

\$M	65	\$B	156
\$W	69	\$C	267

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
87	124	557	105	1016	85	3.13	12.5	97	4.46	98	4.9	32.4	+1	+3.7	+68	+115	+27	+53	+1.02

9109 is a grandson of the ever popular proven sire, Basin Payweight 1682. He excelled for marbling indicators and should bring growth and carcass quality to any mating. Don't overlook this calf just because he's young.

Top 10% MARB, and 10% \$C.

80 DWF Progress A8 of Z4 G54 10/14/19 G54 19729488

SIRE: DWF Progress of Y35 A8

MGS: Werner War Party 2417

MGGS: WHS Limelight 64V

DOC +28

\$M	62	\$B	141
\$W	72	\$C	245

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
72	109	605	111	1167	97	4.13	14.1	116	5.12	128	6.3	36.6	+6	+2.3	+72	+123	+24	+89	+81

FOOT EPD LEADER The progeny of Progress A8 always excel for carcass quality and G54's scan data ratios suggest he may be on of the best. This is a big high growth bull with a little more size and scale.

Top 10% WW, 10% DOC, and 10% RE.

81

LLF 758 Tahoe 994

9/21/19

994

19812320

SIRE: Tehama Tahoe B767

MGS: K C F Bennett Fortress

MGGs: ALC Big Eye D09N

DOC +9

\$M 74

\$B 181

\$W 71

\$C 309

BW	BWR	WW	WWR	YW	YWR	ADG	RE	RER	IMF	IMFR	FS	SC	CED	BW	WW	YW	MILK	RE	MARB
80	126	565	94	1211	101	4.55	15.4	112	6.62	140	5.2	37.9	+1	+2.3	+66	+119	+26	+78	+1.35

This Tahoe/Fortress that comes from the family of One Way Up is one of the tremendous carcass candidates of this offering. His actual scan data and DNA evaluation both show him to be extremely high for marbling. He is one of the highest \$C bulls in this sale. Top 2% MARB, 2% \$B, and 1% \$C.

ANGUSGS Powered by Neogen GeneSeek																			
Lot	ID	CED	BW	WW	YW	DMI	YH	SC	DOC	HP	CEM	MILK	MW	MH	CW	MARB	RE	FAT	TEND
1	58G	45	67	26	23	74	25	15	24	46	76	19	44	30	41	16	89	90	86
2	26G	67	34	64	14	30	49	61	9	28	97	40	25	49	43	11	12	20	48
3	909	69	63	33	15	86	48	66	11	98	72	10	24	57	12	42	2	58	88
4	913	91	94	6	2	97	3	12	7	65	40	1	2	5	2	20	1	48	84
5	914	98	80	18	7	88	9	49	20	85	55	16	8	20	12	29	3	8	90
6	915	80	74	11	39	86	18	74	64	60	58	54	28	62	19	38	7	78	73
7	916	52	54	27	52	51	24	65	47	31	39	19	32	46	37	16	9	21	21
8	918	16	9	16	17	86	15	57	19	54	57	9	14	25	12	70	1	10	38
9	926	38	16	46	13	96	43	16	21	24	69	65	59	35	47	7	88	79	11
10	927	13	8	22	19	84	69	30	76	81	1	70	54	71	35	36	57	41	59
11	929	55	56	2	2	100	10	5	6	32	1	95	3	8	7	57	29	37	25
12	930	91	93	1	3	98	16	25	65	45	1	81	6	6	4	9	51	56	48
13	904	56	71	2	3	94	28	53	7	68	62	62	5	6	11	24	54	69	53
14	907	44	54	6	16	85	34	31	37	45	100	43	41	44	29	38	35	26	88
15	910	58	54	7	17	91	71	88	85	83	61	70	60	70	26	79	51	45	91
16	919	56	71	11	26	71	5	45	35	62	44	1	61	26	29	38	14	21	39
17	922	19	16	39	52	36	66	39	88	91	41	50	78	59	74	21	67	62	46
18	G16	64	56	48	28	78	45	37	61	18	34	65	38	30	64	55	29	19	77
19	975	88	90	13	9	98	20	13	43	3	86	16	9	27	17	14	38	47	94
20	G20	43	34	33	17	83	32	30	63	52	59	20	22	30	17	47	23	73	24
21	G22	32	33	73	48	42	77	39	72	90	27	87	35	78	83	28	67	26	60
22	G25	71	61	18	9	82	39	63	14	86	43	26	9	33	6	79	34	79	62
23	H1	6	6	29	35	86	16	42	65	13	82	40	28	31	45	55	24	66	33
24	G32	5	2	94	66	59	97	95	91	75	92	14	79	99	79	71	19	74	85
25	G36	14	14	66	54	61	76	72	54	77	3	32	53	69	49	85	21	37	69
26	G37	37	22	42	24	87	50	77	12	70	84	54	30	58	50	22	29	89	97
27	G45	83	65	34	14	75	39	61	8	90	74	53	25	40	21	69	20	16	73
28	92H	18	7	50	22	85	44	3	67	58	10	7	48	77	29	5	39	35	57
29	111H	70	47	55	26	60	45	100	71	34	85	15	16	34	60	64	35	11	59
30	50H	68	53	4	1	100	21	17	8	10	19	2	3	18	1	37	4	80	77
31	H6	43	61	15	15	93	23	82	52	41	47	8	26	32	19	40	45	90	41
32	94H	43	38	15	15	95	32	58	31	65	79	2	11	39	10	6	14	60	9
33	985	1	3	6	10	92	59	31	13	51	11	12	40	19	9	70	25	93	52
34	999	9	18	16	49	48	68	44	54	74	13	8	64	71	35	23	68	62	78
35	G19	38	42	20	11	88	48	18	19	53	76	71	23	45	8	70	29	91	58
36	9H	2	5	39	52	80	24	20	20	16	14	15	82	26	73	31	91	93	79
37	G23	18	18	53	42	56	78	57	2	97	3	20	76	76	48	85	59	91	24
38	99H	6	7	8	3	99	38	31	35	56	17	49	21	20	23	62	24	78	81
39	96H	6	42	14	13	93	12	79	25	24	33	4	47	18	29	22	80	78	45
40	95H	4	7	22	38	94	45	75	62	38	20	6	77	78	30	45	71	70	78
41	H2	25	39	2	6	98	31	56	17	90	25	85	7	7	7	32	8	50	44
42	H8	24	37	1	10	100	34	70	19	33	9	32	4	15	4	35	46	85	14
43	H9	18	63	1	1	100	5	90	4	80	3	12	3	4	1	42	14	90	70
44	G2	1	8	88	65	27	83	4	9	36	6	11	93	93	73	67	89	100	49
45	G8	9	25	71	25	72	82	12	26	74	27	72	40	66	52	30	61	89	93

Lot	ID	CED	BW	WW	YW	DMI	YH	SC	DOC	HP	CEM	MILK	MW	MH	CW	MARB	RE	FAT	TEND
46	14H	79	89	1	2	93	3	12	7	48	89	41	3	4	1	12	33	49	84
47	37H	38	66	34	37	52	10	13	72	71	88	67	35	28	12	11	2	9	85
48	110H	9	10	68	64	43	60	1	48	11	98	12	51	68	80	26	37	33	88
49	114H	1	4	28	36	35	62	23	11	7	89	24	20	35	36	6	6	5	99
50	H4	9	25	10	6	98	22	4	41	55	30	4	12	10	12	7	12	70	64
52	H10	3	3	31	33	81	53	34	19	34	77	18	44	44	37	3	11	45	90
53	942	21	18	14	18	72	46	21	80	35	24	59	37	40	54	48	66	61	50
54	964	25	36	21	17	80	62	48	69	59	88	25	63	82	34	28	54	68	99
55	970	7	11	9	18	80	16	69	12	15	18	67	41	17	35	42	48	55	56
56	976	40	39	9	27	66	28	93	66	50	20	83	13	16	28	47	60	51	85
57	980	63	60	10	9	82	52	69	47	18	89	57	29	35	34	60	33	15	40
58	39H	68	74	25	25	67	16	66	67	52	60	55	30	12	29	59	41	31	31
59	32H	43	22	29	71	30	68	46	94	29	54	63	78	68	70	33	50	48	42
60	117H	63	53	33	32	59	30	35	92	37	31	92	41	23	55	40	85	56	77
61	944	38	61	5	25	75	36	40	83	10	54	49	30	40	25	2	2	29	89
62	85H	68	70	13	54	79	15	35	12	25	98	16	66	36	37	80	27	47	79
63	G6	41	44	20	32	88	61	62	5	76	95	14	80	93	63	38	71	73	56
64	965	48	91	1	2	99	1	60	56	12	85	2	4	3	2	7	7	41	29
65	G11	25	52	22	26	87	34	49	2	28	93	37	67	78	17	12	58	82	37
66	45H	20	18	14	7	84	13	66	81	12	64	12	20	13	14	33	13	11	55
67	76H	5	5	74	47	59	72	87	23	6	24	40	77	76	50	20	13	29	75
68	91H	33	38	24	18	86	49	50	19	49	30	81	43	50	23	15	60	79	39
69	52H	53	49	31	26	80	26	41	38	10	8	71	50	26	20	13	19	12	2
70	122H	3	5	24	22	84	42	39	55	51	15	6	80	71	17	27	17	61	5
71	G10	47	37	21	25	50	27	13	14	54	55	33	33	23	44	85	100	93	98
72	G24	80	74	40	11	55	48	10	3	9	99	40	19	51	46	63	79	32	62
73	46H	9	7	21	17	88	70	48	66	28	33	3	30	28	50	9	67	35	3
74	H3	88	92	2	1	98	29	15	9	79	66	54	2	6	1	21	3	25	65
75	18H	5	11	23	33	39	16	54	96	36	12	13	26	17	8	78	58	12	92
76	G50	42	63	19	28	82	52	80	29	56	32	34	18	22	43	54	60	82	21
77	G51	36	69	24	26	86	27	28	11	75	23	47	47	47	59	91	62	71	86
78	G52	53	75	4	1	96	21	95	50	91	85	57	2	4	15	55	44	24	99
79	9109	36	40	18	60	73	39	62	46	24	17	34	54	33	21	3	57	83	15
80	G54	51	55	29	45	73	24	44	28	83	86	55	30	33	59	13	29	70	46
81	994	80	76	26	22	78	41	50	81	8	84	68	66	72	33	4	51	76	28

Driving the science of better breeding

There's little room for error in the cattle business. Producers need the most advanced information to make smart selection decisions, and Angus Genetics Inc. (AGI) provides it through genomic-enhanced expected progeny differences (GE-EPDs).

EPDs that traditionally contained all pedigree, performance and progeny information now also include results from available genomic, or DNA, tests. Breeders who use genomic technology give buyers access to AGI-generated GE-EPDs that provide:

- Increased predictability and decreased risk for young and unproven animals due to enhanced accuracy of EPDs
- Better characterization of genetics for difficult-to-measure performance traits (such as carcass traits, maternal traits and feed efficiency)
- The ability to make more rapid progress for traits that are important to you, due to:
 - more accurate selection
 - easier identification of genetic outliers
 - the ability to propagate young animals with confidence earlier in their lives

In fact, GE-EPDs on unproven animals have the same amount of accuracy as if they had recorded 8-33 calves, depending on the trait. That's valuable insight, offered regularly through the breed's weekly national cattle evaluation at www.angus.org.

How do you know if EPDs are genomic-enhanced?

Ask your breeder, refer to the registration paper, or look for the AGI GE-EPD logo, Angus GS™ powered by partner Neogen GeneSeek or the HD50k or i50k by partner Zoetis.



American Angus Association \$Value Indexes



Dollar value indexes, or **\$Values**, are a tool used to select for several traits at once based on a specific breeding objective. An economic index approach takes into account genetic and economic values as well as the relationships between traits to select for profit.

Maternal Weaned Calf Value (\$M), an index expressed in dollars per head, predicts profitability differences in progeny due to genetics from conception to weaning. \$M is built off of a self-replacing herd model where commercial cattlemen replace 25% of their breeding females in the first generation and 20% in subsequent generations. Remaining cull females and all male progeny are sold as feeder calves. Increased selection pressure on \$M aims to decrease overall mature cow size and improve foot structure and fertility while maintaining weaning weights consistent with today's production.

Weaned Calf Value (\$W), an index expressed in dollars per head, provides the expected difference in future progeny preweaning performance from birth to weaning. \$W assumes that producers retain 20% of their female progeny for replacements and sell the rest of their cull female and male progeny as feeder calves. Over time, increased selection pressure on \$W will increase weaning and maternal milk traits while also continuing to increase mature cow size.

Feedlot Value (\$F), an index expressed in dollars per head, is the expected average difference in future progeny performance for post-weaning merit compared to progeny of other sires. The underlying objective assumes commercial producers will retain ownership of cattle through the feedlot phase and sell fed cattle on a carcass weight basis with no considerations of premiums or discounts for quality and yield grade.

Grid Value (\$G), an index expressed in dollars per carcass, is the expected average difference in future progeny performance for carcass grid merit, including quality and yield grade attributes, compared to progeny of other sires.

Beef Value (\$B), an index expressed in dollars per carcass, facilitates simultaneous multi-trait genetic selection for feedlot and carcass merit. \$B represents the expected average differences in the progeny postweaning performance and carcass value compared to progeny of other sires. This index assumes commercial producers wean all male and female progeny, retain ownership of these animals through the feedlot phase and market these animals on a quality-based carcass grid.

Combined Value (\$C), an index expressed in dollars per head, includes all traits that make up both \$M and \$B with the objective that commercial producers will replace 20% of their breeding females per year with replacement heifers retained within their own herd. The remaining cull heifer and steer progeny are then assumed to be sent to the feedlot where the producers retain ownership of those cattle and eventually sell them on a quality-based carcass merit grid.

EPDS DIRECTLY INCORPORATED INTO EACH \$VALUE

	MATERNAL		TERMINAL			
TRAIT	\$M	\$W	\$F	\$G	\$B	\$C
CED	✓					✓
BW		✓				
WW	✓	✓				✓
YW			✓		✓	✓
CEM	✓					✓
Milk	✓	✓				✓
MW	✓	✓				✓
DOC	✓					✓
HP	✓					✓
Claw Angle	✓					✓
DMI			✓		✓	✓
CW			✓	✓	✓	✓
RE				✓	✓	✓
Marb				✓	✓	✓
Fat				✓	✓	✓

American Angus Association Selection Tools

Expected Progeny Difference (EPD), is the prediction of how future progeny of each animal are expected to perform relative to the progeny of other animals listed in the database. EPDs are expressed in units of measure for the trait, plus or minus. Interim EPDs may appear on young animals when their performance has yet to be incorporated into the American Angus Association National Cattle Evaluation (NCE) procedures. This EPD will be preceded by an "I," and may or may not include the animal's own performance record for a particular trait, depending on its availability, appropriate contemporary grouping, or data edits needed for NCE.

Accuracy (ACC), is the reliability that can be placed on the EPD. An accuracy of close to 1.0 indicates higher reliability. Accuracy is impacted by the number of progeny and ancestral records included in the analysis.

Calving Ease Direct (CED), is expressed as a difference in percentage of unassisted births, with a higher value indicating greater calving ease in first-calf heifers. It predicts the average difference in ease with which a sire's calves will be born when he is bred to first-calf heifers.

Birth Weight (BW), expressed in pounds, is a predictor of a sire's ability to transmit birth weight to his progeny compared to that of other sires.

Weaning Weight (WW), expressed in pounds, is a predictor of a sire's ability to transmit weaning growth to his progeny compared to that of other sires.

Residual Average Daily Gain (RADG), feed efficiency expressed in pounds per day, is a predictor of a sire's genetic ability for postweaning gain in future progeny compared to that of other sires, given a constant amount of feed consumed.

Yearling Weight (YW), expressed in pounds, is a predictor of a sire's ability to transmit yearling growth to his progeny compared to that of other sires.

Yearling Height (YH), is a predictor of a sire's ability to transmit yearling height, expressed in inches, compared to the that of other sires.

Scrotal Circumference (SC), expressed in centimeters, is a predictor of the difference in transmitting ability for scrotal size compared to that of other sires.

Docility (DOC), is expressed as a difference in yearling cattle temperament, with a higher value indicating more favorable docility in a sire's offspring compared to another sire.

MATERNAL

Heifer Pregnancy (HP), is a selection tool to increase the probability or chance of a sire's daughters becoming pregnant as first-calf heifers during a normal breeding season. A higher EPD is the more favorable direction, and the EPD is reported in percentage units.

Calving Ease Maternal (CEM), is expressed as a difference in percentage of unassisted births, with a higher value indicating greater calving ease in first-calf daughters. It predicts the average ease with which a sire's daughters will calve as first-calf heifers when compared to daughters of other sires.

Maternal Milk (Milk), is a predictor of a sire's genetic merit for milk and mothering ability in his daughters compared to daughters of other sires. In other words, it is that part of a calf's weaning weight attributed to milk and mothering ability.

Mature Weight (MW), expressed in pounds, is a predictor of the difference in mature weight of daughters of a sire compared to the daughters of other sires.

Mature Height (MH), expressed in inches, is a predictor of the difference in mature height of a sire's daughters compared to daughters of other sires.

FOOT SCORE

Claw Set (Claw), is expressed in units of claw-set score. A lower EPD is more favorable, indicating a sire will produce progeny with more ideal claw set, which is toes that are symmetrical, even and appropriately spaced.

Foot Angle (Angle), is expressed in units of foot-angle score. A lower EPD is more favorable, indicating a sire will produce progeny with more ideal foot angle, which is a 45-degree angle at the pastern joint with appropriate toe length and heel depth.

CARCASS

The genetic evaluation produces a single set of EPDs for carcass traits where the units of measure are in trait format and analyzed on an age-constant basis.

Carcass Weight (CW), expressed in pounds, is a predictor of the differences in hot carcass weight of a sire's progeny compared to progeny of other sires.

Marbling (Marb), is expressed as a fraction of the difference in USDA marbling score of a sire's progeny compared to progeny of other sires.

Ribeye Area (RE), expressed in square inches, is a predictor of the difference in ribeye area of a sire's progeny compared to progeny of other sires.

Fat Thickness (Fat), expressed in inches, is a predictor of the differences in external fat thickness at the 12th rib (as measured between the 12th and 13th ribs) of a sire's progeny compared to progeny of other sires.

\$VALUE INDEXES

\$Value Indexes, reported in dollars per head, are multi-trait selection indexes where a higher value suggests more profit. The \$Value is an estimate of how future progeny of each sire are expected to perform, on average, compared to progeny of other sires if sires were randomly mated to cows and if calves were exposed to the same environment.

Maternal Weaned Calf Value (\$M), expressed in dollars per head, predicts profitability differences in progeny due to genetics from conception to weaning. Increased selection pressure on \$M aims to decrease overall mature cow size and improve foot structure and fertility while maintaining weaning weights consistent with today's production.

Weaned Calf Value (\$W), expressed in dollars per head, provides the expected difference in future progeny preweaning performance from birth to weaning. Increased selection pressure on \$W increases weaning and maternal milk traits while increasing mature cow size.

Cow Energy Value (\$EN), expressed in dollars savings per cow per year, assesses differences in cow energy requirements as an expected dollar savings difference in daughters of sires. A larger value is more favorable when comparing two animals. Components for computing \$EN savings difference include lactation energy requirements and energy costs associated with differences in mature cow size.

Feedlot Value (\$F), expressed in dollars per head, is the expected average difference in future progeny performance for postweaning merit compared to progeny of other sires. The underlying objective assumes commercial producers will retain ownership of cattle through the feedlot phase and sell fed cattle on a carcass weight basis with no considerations of premiums or discounts for quality and yield grade.

Grid Value (\$G), expressed in dollars per carcass, is the expected average difference in future progeny performance for carcass grid merit, including quality and yield grade attributes, compared to progeny of other sires.

Beef Value (\$B), expressed in dollars per carcass, represents the expected average differences in the progeny postweaning performance and carcass value compared to progeny of other sires. This index assumes commercial producers wean all male and female progeny, retain ownership of these animals through the feedlot phase, and market these animals on a quality-based carcass grid.

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SHELTON ANGUS • DOGWOOD FARM • LOCUST LEVEL
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