

PREDICTABLE GENETICS PROVEN PERFORMANCE

Selling 100+ Bulls and Females March 4th in Pawnee Rock, KS All bulls have GrowSafe Feed Efficiency data and genomic-enhanced EPDs.





FELLOW CATTLEMEN,

As we write this catalog, we ponder the way things have changed in the thirteen years since we started Predictable Genetics, Proven Performance. The initial focus was calving ease and low maintenance cattle and then pivoted to more growth and end product. This offering solidifies the direction of the recent past as we have come back to more moderate growth with calving ease. The focus has shifted more to the acceleration of high feed efficiency genetics as we have seen the intersection of growth and efficiency, or more simply put, where revenue and expense increase profitability.

No different than anyone else in the Midwest, the drought of 2022 brought many hardships and challenges with the availability of feed resources being top of the list. Whether it was our rangeland, hay production, or grain production for feedlot cattle, the lack of rainfall has and will continue to test our resolve in the beef business. We feel the introduction of some new sire groups will aid in solidifying our rebuilding of cow bases with some of the most versatile and efficient genetics you will find. The first calf crops of Evolution, Count 8745, BottomLine, and Vercingetorix are truly herd changers and have surpassed expectation. These sires combined with the successful lines that have been well tested and accepted, are responsible for assembling an offering that we think are truly second to none not only in their type and kind, but in their predictability.

At the time of this writing, we are just coming through another rough stretch of cold weather and we have made the decision to hold off semen testing until we were through it. This ensures we get high quality semen tests and makes certain we have the bulls ready to go to work on sale day. As a result, you will notice that scrotal measurements and heifer pelvic measurements are missing from the catalog. Please watch our website as we will be updating these measurements along with current weights.

The sale will again be broadcast live with online bidding on CCI.live. They encourage that you register to bid before the day of the auction to assure that you are approved for bidding. Please plan to be with us Friday for viewing of the sale offering as well as the return of the ever popular Friday night shrimp boil. As always, we have provided a list of phone numbers available to you for everything from evaluation to bidding. We hope you will utilize these gentlemen in any capacity that you need.

On behalf of the Loving family, we would like to thank you for taking the time to look through the offering. We firmly believe that the genetics represented will meet or exceed expectation.

Sincerely,

The Loving Family

Thank you to the American Shorthorn Association for honoring the Loving family as the Show Honoree at the 2022 American Royal.

BFCC Myrtle Bo 1752 Sired by Ash Valley Optimus 7587, sold in our 2019 PGPP toBrady Family Shorthorns of Marlow, OK

AUCTIONEER

Kyle Elwood

(785) 493-2901

Sale Location

From Great Bend, Ks: Go 10 miles west on Hwy 56/156 to SW 90 Ave. Turn south and go 1 ¾ miles and turn right on SW 70 Rd. Head west 1/8 mile.

From Hwy 56/156 at west edge of Pawnee Rock: 2 3/8 miles east on SW 70Rd.

Accommodations

Best Western Great Bend (620) 792-3541

Holiday Inn Express Great Bend (620) 603-6565

Updated Information

All videos and updates prior to sale day can be found on our website, **LovingFarms.com**.



Now on CCI.Live. Register to bid online prior to March 4.

Trait Indicators

Look for these trait indicators next to each animal.



Calving Ease Individuals that are strong on actual performance and EPDs for birthweight and calving ease.



Performance High growth individuals having an advantage on performance indicator EPDs and actual performance.



Efficiency Individuals that lead their contemporary groups in feed efficiency.



Premium Individuals that excel on premium based carcass traits and \$F.

SCHEDULE

March 3

12-6 pm: Cattle available for viewing 6 pm: Cattlemen's Dinner at the Barn

March 4

8 am - 1 pm: Coffee, rolls and cattle available for viewing 12 pm: Homemade Brisket Lunch 1 pm: Auction

SALE DAY PHONES

Marty Loving Scott Loving	(620) 786-2018 (620) 786-1369
Aaron Hahn Hahn Livestock Consulting	(309) 645-4488
Andee Marston Kansas Stockman	(785) 250-4449
Darryl Rahn Shorthorn Country	(217) 473-1124
Matt Woolfolk MRW Cattle Resources	(731) 694-6469
Hadley Schotte The Stock Exchange	(785)562-6632

Videos at Your Fingertips

 Open the camera on your smartphone.
Hover over the code.
Tap the link that appears.
The video of that lot will play.



Overview of EPDs

Calving Ease Direct (CED): The most important EPD in sire selection for use on heifers. This value is expressed as a percent of unassisted births; the more positive a number is the more desirable.

Calving Ease Maternal (CEM): Reflects a bull's ability to sire daughters who calve unassisted. The value is expressed as a percentage of unassisted births, with a more positive number being more desirable.

Birth Weight (BW): An indicator of birth weight and calving ease. Larger BW EPDs typically, but not always indicate more calving difficulty.

Weaning Weight (WW): Weaning weight measures the differences in weight of calves at weaning, and is also reported in pounds. A higher WW EPD indicates an expected higher weaning weight.

Yearling Weight (YW): Like other weight traits, YW measure the differences in weight of animals at yearling, and is also expressed in pounds. Higher YW EPDs indicate a higher expected yearling weight.

Milk (MK): the expected differences in a bull's daughters' calves at weaning weight due to their milking ability. Milk is looking at how well daughters milk and how that translates to the weaning weights of their calves. A higher MK EPD indicates a higher weaning weight due to the bull's daughters' milking ability.

Total Maternal (TM): TM predicts the total difference in weight of a bull's daughters' calves at weaning. A portion of this difference in weight comes from the milking ability of the bull's daughters (MK EPD), and a portion comes from the genes for growth passed from the bull to his daughters and then on to their calves. The TM EPD is calculated by taking ½ of a bull's WW EPD + his MK EPD.

Stayability (ST): The newest addition to the Shorthorn EPD lineup, Stayability is a measure of the percentage of a bull's daughters that will still be in the herd at six years old. Like CED and CEM, Stayability is expressed as a percentage. A higher ST EPD indicates a higher percentage of daughters staying in the herd. **Carcass Weight (CW):** expressed in pounds as a predictor of the differences in hot carcass weight of a sire's progeny compared to progeny of other sires.

Ribeye Area (REA): REA measures the difference in ribeye area of a bull's progeny. REA is measured in square inches. A higher REA EPD is indicative of expected larger ribeyes.

Backfat (FT): Fat thickness measures the amount of back fat on a carcass. FT is reported in inches. A lower FT EPD indicates a bull whose progeny will have less fat on the carcass than a bull with a higher FT EPD.

Marbling Score (MB): evaluation of intramuscular fat deposition in the ribeye as expressed in USDA numeric marbling scores. Higher values indicate genetics that are expected to marble and have a higher quality grade.

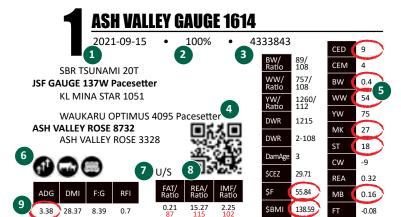
Calving Ease Direct (\$CEZ): This index assumes a bull will only be mated to heifers, not cows. The potential profitability of the sire is measured by the incidence of live calves at birth. Moderate mature size is also emphasized in the index, but performance is not a priority.

British Maternal Index (\$BMI): 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.

Feedlot (\$F): \$Feedlot places strong emphasis on growth and carcass traits. This multi-trait index assumes the sire will be mated to a mix of heifers and cows and attempts to measure profitability when progeny are sold on the fed market. On the female side, mature size should be monitored closely when selecting for \$F.

Dam Weaning Ratio (DWR): Indication of dam's productivity. First number is number of progeny. Second number is weaning index.

- 1. Date of Birth
- 2. Percentage Shorthorn
- 3. ASA Registration Number
- 4. PACER Performance/Pacesetter
- 5. Top 25% of Breed Indicator
- 6. Trait Indicator (Key on pg 3)
- 7. Ultrasound Data
- 8. Video QR Code (Details on pg 3)
- 9. GrowSafe Feed Efficiency Data



DECISIONS MADE EASY TOP 10 Lists

CED)		BW				\$CE	Z	
58	ASH VALLEY ANSWER 2031	20	58	ASH VALLEY	(ANSWER 2031	-6.1	58	ASH VALLEY ANSWER 2031	70.78
27	ASH VALLEY RIGHT CHOICE 1658	17	39	ASH VALLEY	REBELLION 2011	-4.9	27	ASH VALLEY RIGHT CHOICE 1658	64.35
39	ASH VALLEY REBELLION 2011	17	20	ASH VALLEY	RIGHT CHOICE 1681	-4.4	20	ASH VALLEY RIGHT CHOICE 1681	60.29
20	ASH VALLEY RIGHT CHOICE 1681	16	44	ASH VALLEY	ALLEY OOP 214	-3.3	39	ASH VALLEY REBELLION 2011	54.49
41	ASH VALLEY BOTTOMLINE 2018	16	27	ASH VALLEY	RIGHT CHOICE 1658	-3.3	44	ASH VALLEY ALLEY OOP 214	52.75
57	ASH VALLEY BOTTOMLINE 2026	16	41	ASH VALLEY	BOTTOMLINE 2018	-3.2	57	ASH VALLEY BOTTOMLINE 2026	51.96
38	ASH VALLEY ANSWER 2060	15	37	ASH VALLEY	SL ANSWER 2061	-3.1	30	ASH VALLEY LEADER 1650	50.02
40	ASH VALLEY BOTTOMLINE 2016	15	63	ASH VALLEY	COUNTER 2055	-2.9	29	ASH VALLEY LEADER 1653	49.41
55	ASH VALLEY ANSWER 2066	15	38	ASH VALLEY	ANSWER 2060	-2.8	24	ASH VALLEY COUNT 1691	49.39
56	ASH VALLEY REBELLION 2034	15	51	ASH VALLEY	EVOLUTION 2095	-2.7	41	ASH VALLEY BOTTOMLINE 2018	49.26
\$BN	лі		ww	,			Stav	1	
•	ASH VALLEY REBELLION 2034	160.81			REBELLION 2034	77		ASH VALLEY COUNT 1690	25
	ASH VALLEY REBELLION 2034	159.12			BOTTOMLINE 2016	67		ASH VALLEY EVOLUTION 2095	25
	ASH VALLEY BOTTOMLINE 2016	159.12			EVOLUTION 2075	60		ASH VALLEY EVOLUTION 2095	23
55	ASH VALLEY ANSWER 2066	145.45			COUNTER 121	59	2	ASH VALLEY ENCOUNTER 1617	23
4	ASH VALLEY COUNT 1657	143.85			REBELLION 2011	58	6	ASH VALLEY ENCOUNTER 1017	23
1.1	ASH VALLEY COUNTER 2013	141.42	4		COUNT 1657	57	- - -	ASH VALLEY LEADER 1667	23
	ASH VALLEY ANSWER 2060	138.78			BOTTOMLINE 2018	57		ASH VALLEY COUNT 1669	22
1	ASH VALLEY GAUGE 1614	138.59			EVOLUTION 2069	54		ASH VALLEY EVOLUTION 2069	22
2	ASH VALLEY ENCOUNTER 1617	138.28	1		GAUGE 1614	54		ASH VALLEY COUNT 2148	22
_	ASH VALLEY COUNT 1690	135.33	_		EVOLUTION 2002	54		ASH VALLEY LEADER 1632	22
	ASH VALLEY EVOLUTION 2110	133.28			EVOLUTION 2110	54		ASH VALLEY COUNT 2122	22
	ASH VALLEY EVOLUTION 2102	132.18			ANSWER 2060	54		ASH VALLEY SL ANSWER 2061	22
	ASH VALLEY ENCOUNTER 1620	131.42			BOTTOMLINE 2026	53		ASH VALLEY ANSWER 2031	22
10		101.12			20110111122020		50	, ISH WILLEF / INSTER 2001	
\$F			γw				MB		
56	ASH VALLEY REBELLION 2034	75.41	56	ASH VALLEY	REBELLION 2034	121	39	ASH VALLEY REBELLION 2011	0.88
40	ASH VALLEY BOTTOMLINE 2016	68.69	40	ASH VALLEY	BOTTOMLINE 2016	114	56	ASH VALLEY REBELLION 2034	0.75
39	ASH VALLEY REBELLION 2011	67.98	41	ASH VALLEY	BOTTOMLINE 2018	103	40	ASH VALLEY BOTTOMLINE 2016	0.57
41	ASH VALLEY BOTTOMLINE 2018	63.05	23	ASH VALLEY	COUNTER 121	91	41	ASH VALLEY BOTTOMLINE 2018	0.5
4	ASH VALLEY COUNT 1657	60.3	39	ASH VALLEY	REBELLION 2011	90	52	ASH VALLEY ANSWER 2078	0.41
38	ASH VALLEY ANSWER 2060	59.65	61	ASH VALLEY	EVOLUTION 2075	90	38	ASH VALLEY ANSWER 2060	0.39
34	ASH VALLEY EVOLUTION 2069	58.95	4	ASH VALLEY	' COUNT 1657	88	57	ASH VALLEY BOTTOMLINE 2026	0.36
57	ASH VALLEY BOTTOMLINE 2026	58.74	57	ASH VALLEY	BOTTOMLINE 2026	87	34	ASH VALLEY EVOLUTION 2069	0.35
61	ASH VALLEY EVOLUTION 2075	58.6	38	ASH VALLEY	ANSWER 2060	87	10	ASH VALLEY ENCOUNTER 1620	0.34
63	ASH VALLEY COUNTER 2055	57.29	63	ASH VALLEY	COUNTER 2055	86	4	ASH VALLEY COUNT 1657	0.33
							35	ASH VALLEY ANSWER 2049	0.33

Bold Red identifies top 1% of Shorthorn breed. Red identifies top 5% of Shorthorn breed. * Identifies top 10% of Shorthorn breed.

89% of Bulls in Top 25% STAY **82%** of Bulls in Top 25% BW EPD **76%** of Bulls in Top 25% MB



When we decided to use Gauge it was more of a decision to use him as a maternal sire. We never imagined the result would be one of the most powerful sons we have produced to date. 1614 is not only outstanding on paper, but he also ties in an impressive phenotype. Long bodied, huge middled and big footed are just a few of the traits of this impressive young sire.

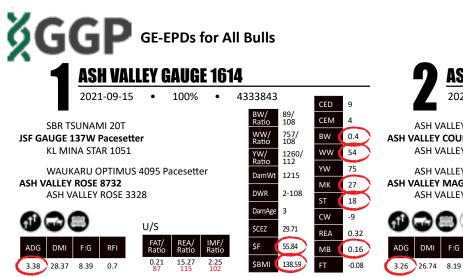


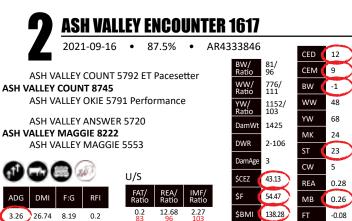
The first son to sell by one of the top bulls of the 2020 sale purchased by Veseth Red Angus of Montana. We liked 8745 for the upgrade in power and numbers over his sire and it's on exhibit in Encounter 1617. A solid balance of calving ease, growth, feed efficiency and carcass.





0.2





FT

There are no places to punch holes in this Count son; he has it all as he is the top \$Durham bull in the fall group. Low BW, explosive growth, and exceptional carcass are just the start of his stat line. His feed efficiency numbers are at the top of the fall yearlings with a 146 ratio for gain and a 145 for F:G. 1657's mother is a Pacesetter Dam and one of the top composite females on the place.



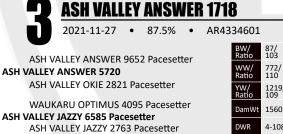




The lead off Answer son in what will be his last natural sire group and he is ultra special. Answer combined with a high growth daughter of the great Jazzy line will net both power and performance. 1718 is one of the top feed efficiency sires to sell and yet pounds the scale with ratios of 110 and 109 for weaning and yearling.



Denotes top 25% of Breed



REA/ Ratio

13.28 100

IMF/ Ratio

2.34



1.40	CED		
	BW/ Ratio	87/ 103	CEM
	WW/ Ratio	772/ 110	BW
	YW/ Ratio	1219/ 109	ww
	DamWt	1560	YW
	DWR	4-108	МК
		5	ST
	DamAge	5	CW
	\$CEZ	28.5	REA
	\$F	54.49	MB
	\$BMI	118.61	FT

5

-1.2

47 78

24

20 -2

0.23

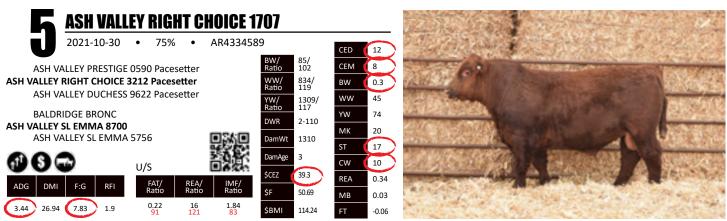
0.24

-0.09

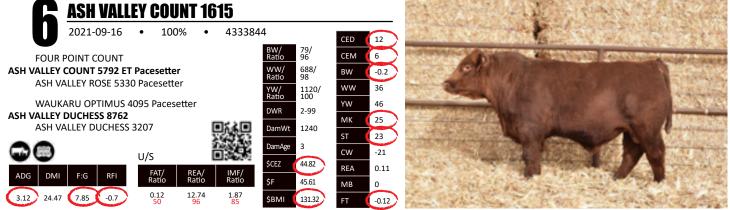
ASH VALLEY COUNT 1657

1		202	1-10-04	•	75%	•	AR43	33887		CED
								BW/	81/	
	FOUR		COUNT					Ratio	81/ 96	CEM
ASH V			IT 5792		setter			WW/ Ratio	770/ 110	BW
	ASH \	/ALLEY	ROSE 53	30 Pace	esetter			YW/ Ratio	1220/ 109	ww
	CONN	IEALY C	APITALI	ST 028						YW
			BRLAND			er		DamWt	1475	MK
	ASH \	ALLEY/	CUMBR	LAND 47	/25			DWR	4-111	ST
-	\sim	-						DamAge	5	CINI
11	S 1		247	U/S				6057	22.07	CW
-	-							\$CEZ	33.87	REA
ADG	DMI	F:G	RFI	FAT/ Ratio	REA/ Ratio	IMF Rati	0	\$F	60.3	MB
4.41	24.45	5.54	-3.7	0.29 120	13.61 103	2.6		\$BMI	143.85	FT

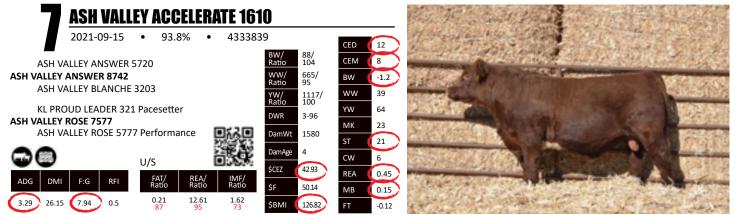
33887		CED 🕻	11
BW/	91/		
Ratio	81/ 96	CEM	6
WW/ Ratio	770/ 110	BW	0.3
YW/	1220/ 109	ww (57
Ratio	109	YW	88
DamWt	1475		$ \prec $
DWR	4-111	МК	28
DVVR	4-111	ST 【	19
DamAge	5	011	
		CW	16
\$CEZ	33.87	REA 🚺	0.57
\$F	60.3	МВ	0.33
\$BMI	143.85	FT	-0.07



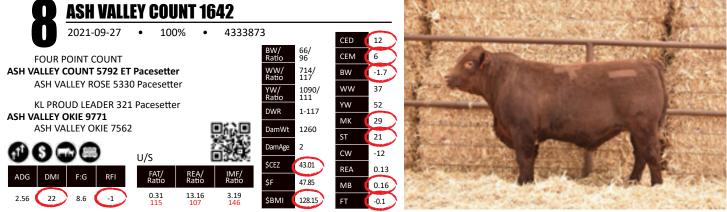
The Right Choice/Baldridge Bronc combination yields powerful actual growth with a 119 weaning and 117 yearling ratio to go with a 121 REA ratio, all of which were the top in his large contemporary group. 1707 also had top end ADG and ratioed 103 for feed conversion.



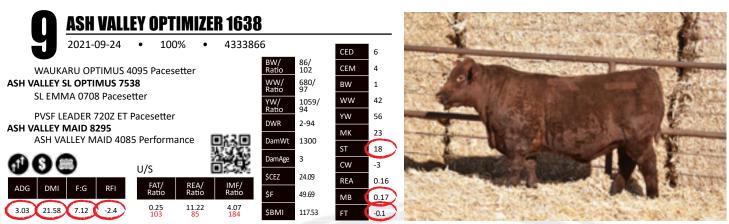
When you get in the pen with this Count son you appreciate his eye appeal, muscle expression and flawless structure. Then you read his number profile to find he is double digit CED and top 15% \$CEZ and \$BMI as well as an upper end feed efficiency bull.



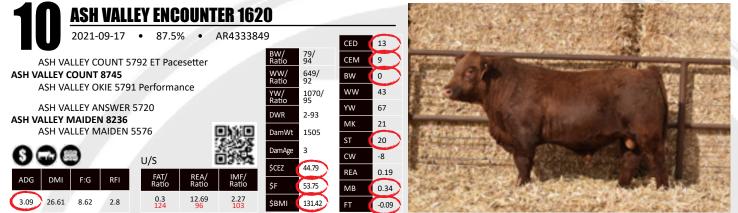
We used this bull's sire in place of his sire Answer 5720 when we needed a shot of growth without compromising calving ease and birthweight. As you can tell, the result is more growth, enhanced calving ease and carcass EPDs. All are well into the top 20% of the breed. Also note, high growth and moderate intake on feed test nets 1610, a well above average conversion number.



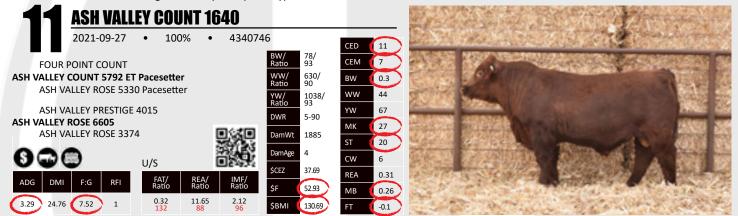
Top 20% \$CEZ , \$BMI, and CED that go with a 117 and 111 ratio for weaning and yearling. Combine those numbers with well below average intake and a negative RFI and 1642 is as about as well a rounded sire prospect as there is.



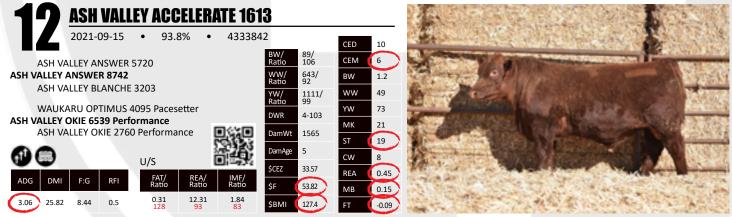
1638's sire was our first generation feed efficiency sire and as you read his Growsafe numbers you understand why. Low intake, a 113 ratio for conversion and a -2.4 RFI are game changer type numbers for feed efficiency. He combines feed efficiency with a 184 IMF ratio to maximize input and output traits.



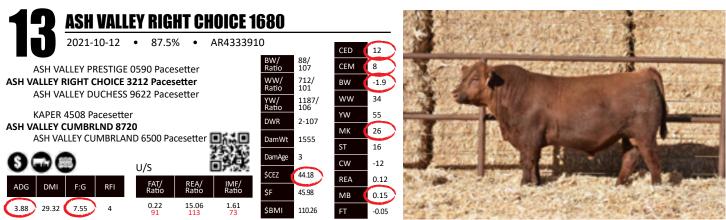
This Count 8745 son exemplifies why we incorporated him into our AI program as he is not only a significant boost in CE and BW, but also in growth and carcass. Balanced numbers to go with a superior phenotype.



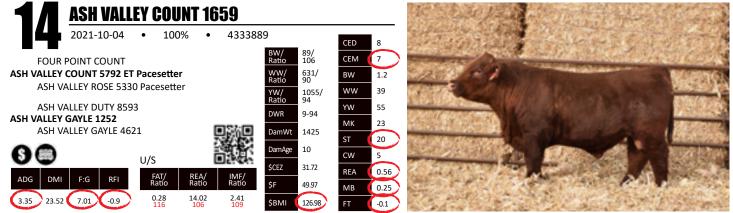
A good gain and conversion bull that puts top level MB numbers with top 25% CED and BW. Here is a balanced bull that will build highly valued replacement females.



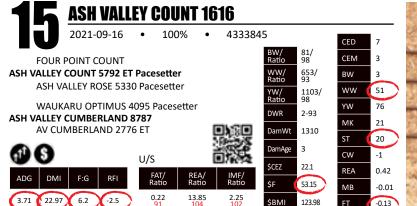
A grandson of Answer 5720 that has double digit CE EPDs with a well enhanced WW and YW over most of the Answer line. These Accelerate bulls have breed leading REA to go with the naturally high Answer MB EPDs.



Out of a solid cow family, 1680's mother is a maternal half sister to the Lot 4 bull. This cow family brings a ton of power and performance. Right Choice cleans up the lines on this bull and gives him another shot of calving ease genetics.

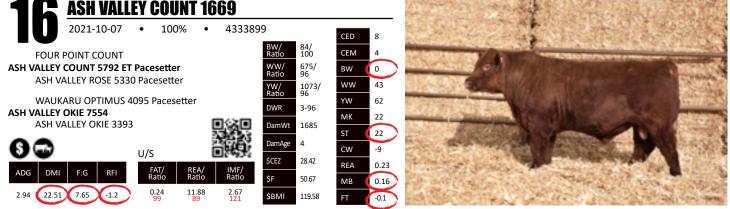


1659 is one of the top carcass bulls in the sale with top 4% MB and YG and top 10% REA EPDs. Put that kind of carcass merit with a 115 feed conversion ratio and -0.9 RFI and you have the ability to efficiently go after grid premium.

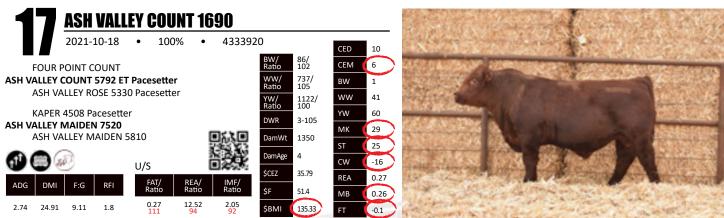




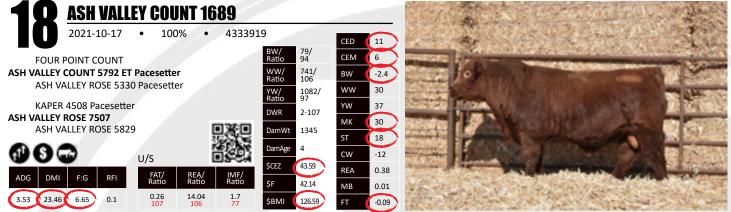
One of the top feed efficiency bulls in the fall pen, 1616 ratios 124 for ADG while maintaining a half pound below average gain, equating to one of the top RFI numbers at -2.5. He is a rare Count son with the kind of growth numbers he possesses and has solid carcass EPDs to go with the growth.



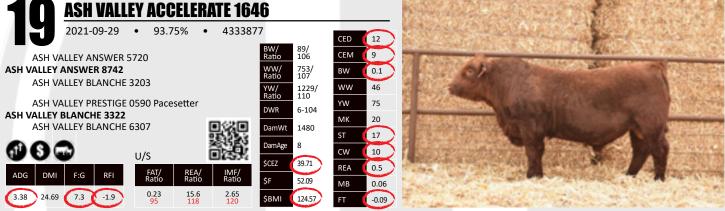
A top 20% BW EPD, moderate growth in an attractive frame couple well with solid feed efficiency numbers. 1669 has one of the top IMF's in his contemporary group to go with a top 15% MB EPD.



One of the higher growth Count sons in the group with a 105 WW ratio by a strong growth cow that has averaged 105 for weaning ratio on 3 progeny. 1690 is one that will produce some daughters with strong revenue traits as he is in the top of the breed for Milk, Stayability and Marbling.



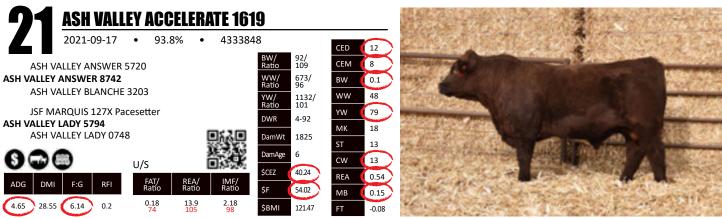
Solidly heifer safe with a top 3% BW, 1689 will provide good growth as indicated by his 106 ratio for weaning. Being in the top end of the group for ADG and below the average for Intake gives him solid feed efficiency numbers.



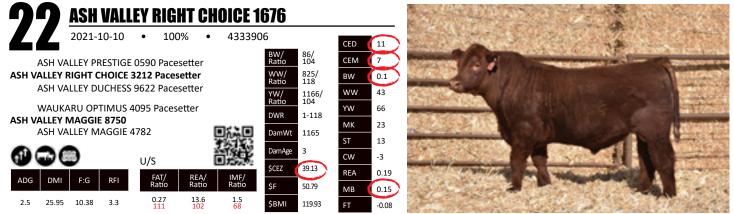
With ratios of 107 and 110 for weaning and yearling, 1646 is the top growth son of 8742. He also has top 20% CED, CEM and BW numbers to go with exceptional feed efficiency on Growsafe.

9 ASH VAL	EY RIGHT	CHOICE 1	1681				的现在并非
2021-10-14	• 87.5% •	AR43339		CED 16	5		
ASH VALLEY PRESTIGE			BW/ 76/ Ratio 93	CEM 9	\mathbf{Z}		and the second
ASH VALLEY RIGHT CHOICE ASH VALLEY DUCHESS			WW/ 656/ Ratio 93	BW -4.			
			YW/ 1045/ Ratio 93	WW 21	_	A State Market Market State	ELECTRON OF
KL PROUD LEADER 32 ASH VALLEY MORGAN 8789			DWR 3-93	YW 39		A REAL PROPERTY AND A REAL	CHARLES SAL
ASH VALLEY MORGAN		0,20	DamWt 1545	MK 24			
000			DamAge 3	ST 17 CW -14		a real and the second second	A DESCRIPTION OF
	U/S		\$CEZ 60.29	REA -0.		Second and the same of	the service services
ADG DMI F:G RFI	FAT/ REA Ratio Rat	/ IMF/ o Ratio	\$F 39.8	MB 0.1	\prec		
1.88 20.06 10.66 -0.4	0.22 12. 91 97	9 1.64 74	\$BMI 98.23	FT -0.0		Provide the second second	Same and

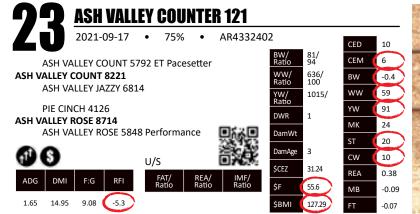
Right Choice, on percentage blood cows, has done a really nice job of solidifying the convenience traits like calving ease, udders and fleshing ability. 1681 is at the top of the list for a heifer safe calving ease sire that won't give up muscle and dimension.



The top ADG bull in the fall pen and is also one of the top F:G bulls, this is the trademark of his sire. 1619 is one of those rare calves that combine top level CED and CEM figures with a YW, MB, and \$F in the top 20%. This is a top level terminal type sire that won't give you restless nights at calving time.

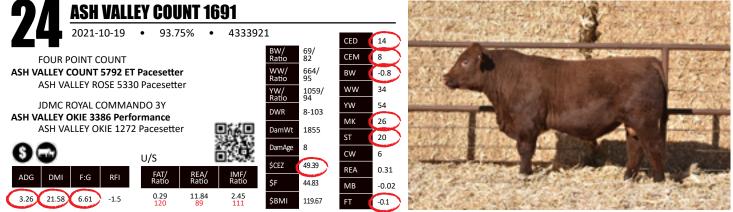


One of the top growth sons of Right Choice to sell to date. An impressive 118 index for weaning and 104 for yearling is a good indicator of accelerated growth to weaning and then level out to a moderate mature size.

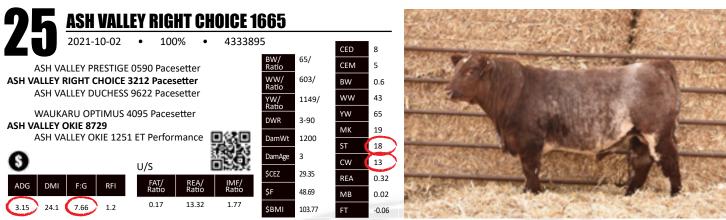




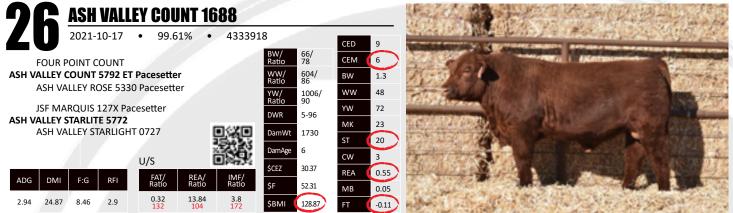
Out of a Count 5792 son, 121 exhibits the same muscle expression and eye appeal with a big shot of growth from his powerful dam. He got a little banged up while on Growsafe likely affecting his gain component, but he has recovered and has been humming since. One of the few Counts to sell with these kinds of trait leading growth numbers.



His mother is a 4 time Pacer Performance dam from the well known Okie family that has headlined nearly every sale. 1691 is one of the top feed efficiency bulls with well under the average intake, high gain, and a 122 ratio for conversion.



1665 was a twin, so his weaning performance was a little slow, but he has made up for it since. He ratioed 105 for ADG while on Growsafe and was well below the average for conversion.

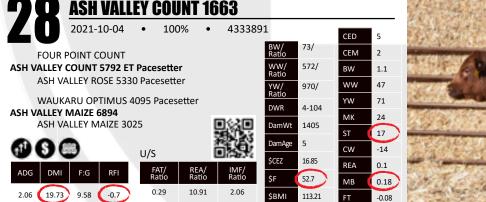


The second highest IMF in the fall group with an index of 172 while maintaining a REA index of 104. This Count son couples low birthweight, smaller mature size and top carcass merit.

97 ASH VALLI	EY RIGHT	CHOICE	1658			
2021-10-04	• 93.8%	• 4333			CED	17
ASH VALLEY PRESTIGE	0590 Pacesett	er	BW/ Ratio	66/ 78	CEM	11
ASH VALLEY RIGHT CHOICE 3			WW/ Ratio	594/ 85	вw	-3.3
ASH VALLEY DUCHESS	9622 Pacesett	er	YW/ Ratio	989/ 88	ww	19
ASH VALLEY ANSWER 5	5720		DWR	2-92	YW	34
ASH VALLEY ROSIE 8252 ASH VALLEY ROSIE 552	2 Performanc	e Dike	DamWt	1540	MK ST	22 18
	U/S	- 639	DamAge	3	CW	-7
ADG DMI F:G RFI	FAT/ R	EA/ IMF/	\$CEZ	64.35	REA	0.02
ADG DIMI F:G RFI	Ratio R	atio Ratio	\$F	38.54	MB	0.08
2.68 22.99 8.59 2.1		1.72 1.48 88 67	\$BMI	101.56	FT	-0.07

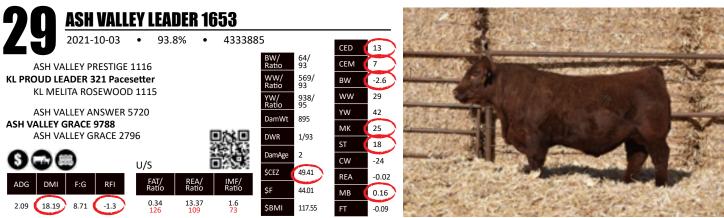


Top 2% CED, CEM, BW and \$CEZ. 1658 is the top heifer bull in the offering.

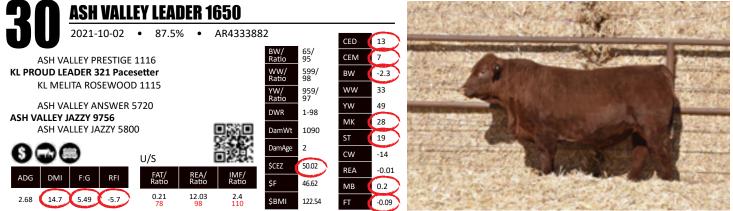




1663 is a twin so don't let the numbers fool you. His mother is one of the top growth EPD cows in our operation. The mating to 5792 should downsize her growth and give a boost to carcass.



The bull that everyone will find in the pen based on phenotype as he is just a tank, soggy, deep and thick. 1653 has top shelf BW and CE EPDs that land him in the breed's elite. He is the kind of heifer bull that will put a lot of eye appeal and red meat in without creating calving issues.



A heifer safe son of the calving ease specialist, Proud Leader, 1650 is top 5% BW and top 10% \$CEZ. He is also near the top of his feed efficiency group with his 159 DMI ratio and -5.9 RFI and is the top conversion bull.

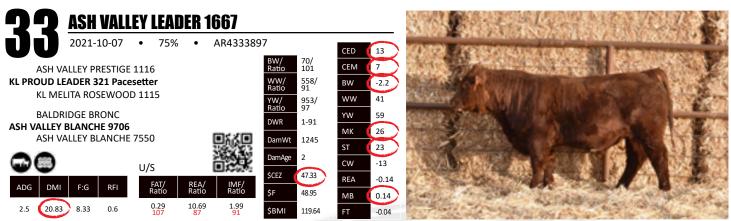
ASH VAL	LEY LEADER 10	632			A De Martin Contractioner
2021-09-22	• 100% •	4333861		CED 9	
ASH VALLEY PRESTIG		BW/ Ratio	82/ 100	CEM 4	Contraction of the second second
KL PROUD LEADER 321 Pac KL MELITA ROSEWOO		WW/ Ratio	727/ 104 1100/	BW -1.2 WW 40	A CARLING AND
WAUKARU OPTIMUS	4095 Pacesetter	YW/ Ratio DWR	98 1-98	YW 53	
ASH VALLEY ROSE 8733 ASH VALLEY ROSE 07	00	Dif & DamWi		MK 25	A REAL AND A REAL
0	11/5	DamAge	3	ST 22 CW 0	A Frederick
ADG DMI F:G RFI	U/S FAT/ REA/ Ratio Ratio	IMF/ Ratio \$F	35.56	REA 0.32	
3.32 27.8 8.36 3.1	0.18 12.37	1.12	46.87	MB -0.03	The second second second second second
3.52 27.5 8.50 5.1	74 93	50 \$BMI	124.22	FT -0.12	

This Proud Leader son was a 104 ratio for weaning as well as 111 for ADG on Growsafe. Good growth to go with a top 10% BW EPD.

99	ASH	VALL	EY L	EADEI	R 16	73				
JL	2021-:	10-08	•	100%	•	433390		[/	CED	11
ASH VA	LLEY PF	RESTIGE	1116				BW/ Ratio	77/ 111	CEM	5
KL PROUD LE	ADER 3	21 Pace	setter				WW/ Ratio	601/ 98	BW	0.4
KL MEL	ITA ROS	SEWOOD	0 1115				YW/	986/	WW	41
WAUK	ARU OP	TIMUS 4	095 Pa	acesette	r		Ratio	100	YW	58
ASH VALLEY	DUCHES	S 9726			_		DamWt	1-98	мк	26
ASH VA	LLEY D	JCHESS	3207			1620	DWR	1140		
-					- 3	2013	DamWt	2	ST	19
G			U/S		- î	1906	Danivi	2	CW	-23
			FA	г/ в	EA/	IMF/	\$CEZ	39.22	REA	-0.32
ADG DMI	F:G	RFI	Rat	io Ra	atio	Ratio	\$F	46.12	MB	-0.08
2.06 21.61	10.5	0.7	0. 74		1.98 98	1.73 79	\$BMI	111.75	FT	-0.06



Solid calving ease and longevity were hallmarks of the job Proud Leader did here. 1673 shows the same; top 25% of the breed for BW and CED and top 10% Stayability.



One of the last Proud Leaders to sell as this is the last naturally sired group. 1667 is top 4% for BW and top 15% for CED, CEM, and \$CEZ.



For the Profit Conscious Stockman

Profit = Output - Input

A new addition to the catalog this year is the \$Durham index. While we did not print the actual rankings yet, we did print the top 10 in the offering and purebreds to account for heterosis. We think this index is the future in terms of finding cattle that excel in all phases of production without going to extremes.

While responsible genetic organizations and their clients gravitate toward seeing out data that balance the complete life cycle of the beef cow and her offspring in order to find which cattle have more stay power and are therefore more profitable, so too can cattlemen who read this catalog via the \$Durham index. This economic selection index engages the full suite of profit driving EPDs for an all-purpose approach, pointing out animals that will truly affect the austere rancher's bottom line.

Stockmen incorporating modern Shorthorn genetics into their herd aim to utilize the breed to inject maternal function, therefore generating higher-valued replacement females. \$Durham recognizes this, and rewards sires whose progeny will excel at calving ease, fleshing ability and built-in longevity, while promoting moderate pay weight and keeping mature size in check. Further, the index considers a balanced, total production scenario where not only are daughters retained, but the male calves are marketed on a carcass grade and yield basis. Bulls in this sale catalog with the \$Durham designation represent some of the most elite animals available to return increased profits to the crux of your business with your Shorthorn investment.

\$Durham Top 10 Purebred

- 34 ASH VALLEY EVOLUTION 2069
- 51 ASH VALLEY EVOLUTION 2095
- 17 ASH VALLEY COUNT 1690
- 8 ASH VALLEY COUNT 1642
- 49 ASH VALLEY EVOLUTION 2111
- 7 ASH VALLEY ACCELERATE 1610
- 11 ASH VALLEY COUNT 1640
- 14 ASH VALLEY COUNT 1659
- 1 ASH VALLEY GAUGE 1614
- 16 ASH VALLEY COUNT 1669

\$Durham Top 10 Composite

- 39 ASH VALLEY REBELLION 2011
- 56 ASH VALLEY REBELLION 2034
- 40 ASH VALLEY BOTTOMLINE 2016
- 41 ASH VALLEY BOTTOMLINE 2018
- 38 ASH VALLEY ANSWER 2060
- 58 ASH VALLEY ANSWER 2031
- 52 ASH VALLEY ANSWER 2078 35 ASH VALLEY ANSWER 2049
- 2 ASH VALLEY ENCOUNTER 1617
- 60 ASH VALLEY COUNT 2122



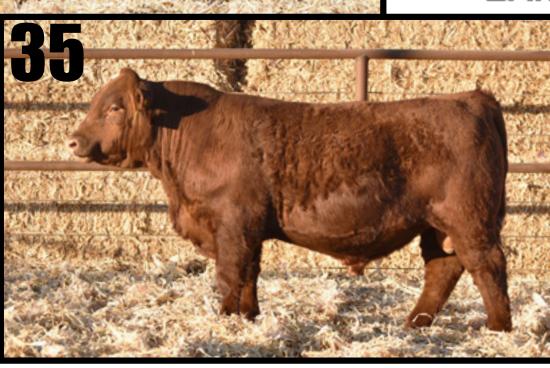
The Evolution sons won't really need an introduction because they speak for themselves. 2069 grabs you from the second you get in the pen with him, as he is big middled, powerfully muscled and just has that look about him. Put that phenotype with a truly impressive EPD line and its quickly understood why he is named Evolution. The #1 purebred bull for \$Durham is also top 5% for \$F and top 20% \$BMI. 2069 follows in his sire's footsteps as he checks the feed efficiency

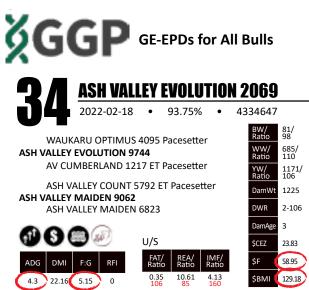
box as well with a top and conversion.

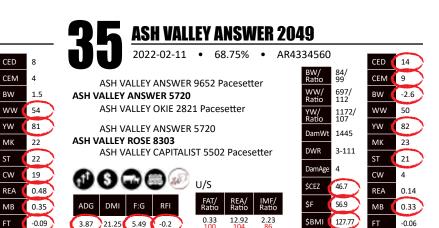


Big boy growth numbers to go with solid calving ease and carcass. This Answer and Capitalist combination combines the best of these two bulls. Upper end gain generates upper level feed efficiency. The balance that 2049 shows in numbers is reflected in his ability to be at the top tier of \$Durham.









Second in his contemporary group for actual birthweight and yet ratioed 107 and 105 for weaning and yearling. His mother's production looks about the same with 88, 106 and 105 for birth, weaning and yearling. 2061 is inside the top 5% for CEM and BW and top 10% \$CEZ.



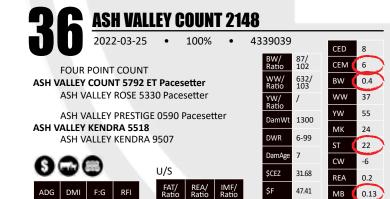




The youngest calf in the offering and you won't miss him as he is maybe the most striking bull calf in the pen. He is deep, long, and packed full of red meat. BW and CEM are both in the top 25% and ST in the top 2%.



Denotes top 25% of Breed



12.05

2.71

\$BMI

114.53

-0.09

0.43

0.6

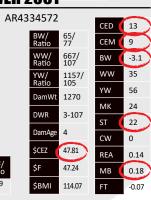
3.39 20.46 6.03

ASH VALLEY SL ANSWER 2061

2022-02-15 • 87.5% • ASH VALLEY ANSWER 9652 Pacesetter ASH VALLEY ANSWER 5720 ASH VALLEY OKIE 2821 Pacesetter

ASH VALLEY COUNT 5792 ET Pacesetter ASH VALLEY SL STAR 8220 ASH VALLEY SL STAR 6825





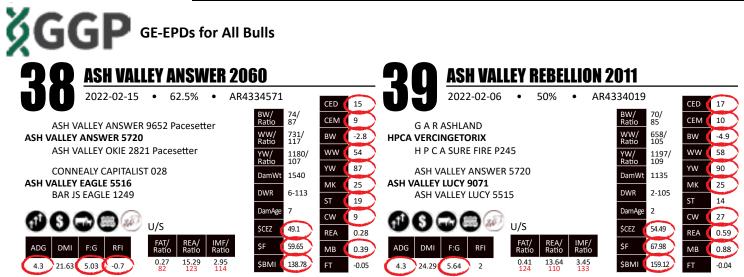


I'm not sure that we have produced a more flawlessly made composite than 2060. Every base is covered from birth to growth, carcass to feed efficiency. The Answer sons have topped the last five sales and their reputation speaks for itself. 2060's mother's production is model cow . status, indexing 98, 112, 106 and 106 for BW, WW, YW, and IMF on 5 calves with an average calving interval of 367 days. Full brother to last year's top sell spring composite that went to work at Kruse Ranch in Nebraska.

I'm not sure that we've raised many young sires that can amass the kind of numbers 2011 can put together. He is near the top of every measured trait, both actual and EPD, with one of the top ADGs on Growsafe and conversion well below average for the group. This is an outstanding young sire. With the rankings near the top 1% in every trait, it's not hard to imagine why this is the top \$Durham bull in the offering. He is also the #1 bull in the breed for MB EPD.







We've used this name one other time on a new feed efficiency sire, but 2018 blows him out of the water. He is a freak, nothing more. A wellknown industry professional calls him one of those bulls that goes beyond what is physiologically possible. To go through a nearly 50 day feeding period consuming less than 11 lbs./day while gaining at the top of the group and converting at an unreal 2.66:1 is unbelievable. If the efficiency part isn't enough, 2018 doesn't bend the curve, he breaks it with top 2% BW and YW EPDs and \$F. He truly is unreal.





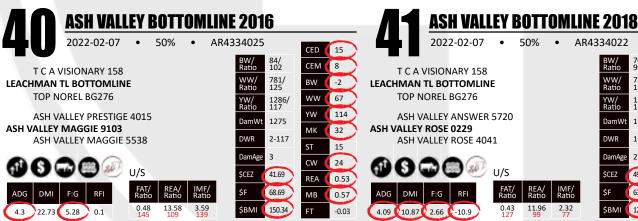


This is one of those transformative sires, whether he is black or red, percentage or purebred. It's one thing to have outrageous EPDs or actual, but every major category is overwhelmingly high. Top 5% BW and CED, Top 2% or better WW, YW, MK, TM, MB, \$BMI and \$F. He is also one of the highest gaining and top conversion bulls.

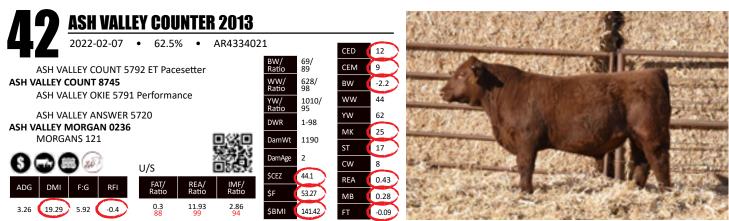


2.32

Denotes top 25% of Breed



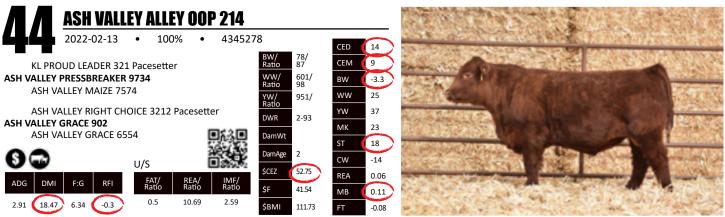




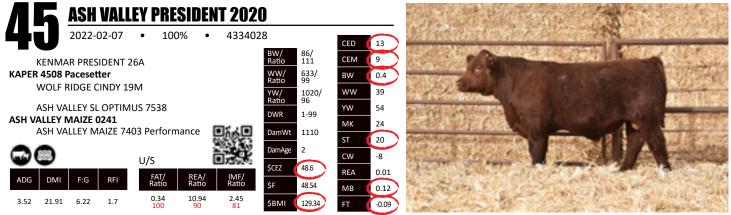
A very balanced set of EPDs on this 8745 son with one of the top \$BMI and \$Durham figures. He is top of the breed for CED, CEM, and BW as well as top 3% for MB.



A twin that might have given up a little growth, but comes from an excellent dam that consistently weaned heavy calves prior to 207.



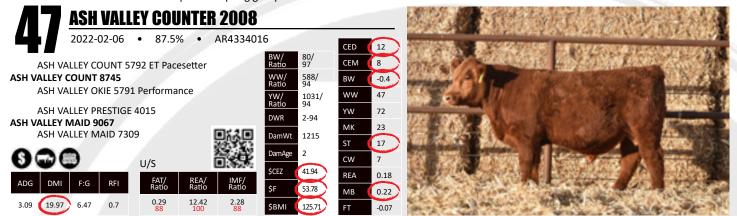
Pressbreaker does a nice job of stamping these calving ease bulls with a lot of look. 214 is top 2% of the breed for BW and top 10% for CED, CEM, and \$CEZ making him a bullet proof heifer bull. He is backed by a dam and granddam who have been standouts in raising high-quality calves while being low maintenance.



Reliable calving ease, moderate mature frame and solid marbling is what you can expect from the Kaper/Optimus mating. His grandmother is already a 2 time Pacer Performance dam.



Top 4% MB EPD to go with a top 20% \$F makes this 8745 son a "go-to" carcass bull while having top 25% BW and CEM EPDs. His feed intake and conversion numbers are near the top of this spring group.



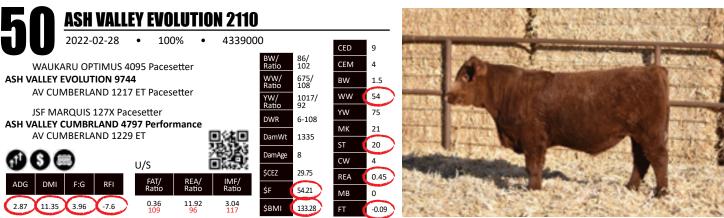
Better than top 25% \$indexes across the board to go with double digit CED and top 15% BW EPDs. This 8745 son has well above average growth and high carcass merit.

A SH VALLEY EVOLUTION 2002	
2022-02-04 • 100% • 4334010 CED 9	and a second
WAUKARU OPTIMUS 4095 Pacesetter 840 99 CEM 4	
ASH VALLEY EVOLUTION 9744 AV CUMBERLAND 1217 ET Pacesetter	
WAUKARU OPTIMUS 4095 Pacesetter YW/ Ratio 1102/ 100 WW 54 ASH VALLEY LUCY 7352 ASH VALLEY LUCY 3027 DWR 4-98 MK 17 DamWt 1195 ST 17	
	Production of the second secon
ADG DMI F:G RFI FAT/ REA/ IMF/ Ratio Ratio SF 56.1 MB 0.13	
4.3 21.36 4.96 -0.7 0.27 12.51 2.4 93 SBMI 12624 FT -0.1	

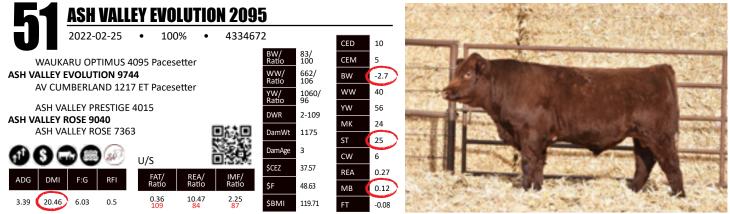
Top 25% for BW, WW, ST, YG, MB, \$BMI and \$F. It gets really hard to find places to poke holes in this calf. Put a great EPD profile with 118 and 116 ratios for ADG and F:G and 2002 is about as high end as they get.

ASH VALLEY EVOLUT	ION 2111		
2022-02-28 • 100%	• 4339001	CED 10	
WAUKARU OPTIMUS 4095 Pacesetter	BW/ 82/ Ratio 97	CEM 4	70
ASH VALLEY EVOLUTION 9744 AV CUMBERLAND 1217 ET Pacesetter	WW/ 642/ Ratio 103	BW -2.1 WW 42	West Mine Mississing and Missis
ASH VALLEY PRESTIGE 0665 Pacesetter	YW/ 1036/ Ratio 94 DWR 6-100	YW 61	The second se
ASH VALLEY LADY 4703 ASH VALLEY LADY 2754	DamWt 1345	MK 21	
000	DamAge 8	ST 21 CW 19	Harry Atheneses All Dearman Barrison
	\$CEZ 34.63	REA 0.25	and the second s
	51 50.00	MB 0.19	where the second se
3.61 21.41 5.93 1 0.41 11.0 93	1 2.5 97 \$BMI 113.43	FT -0.08	

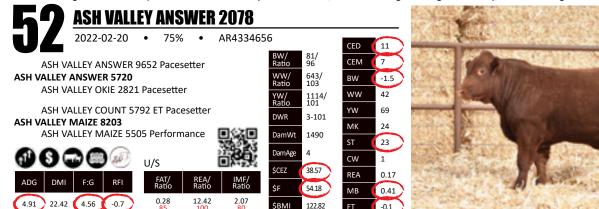
The #5 ranking purebred bull for \$Durham, 2111 is top 4% for BW and top 3% for ST EPDs. He is also strong on carcass with his CW and MB EPDs in the top 10%.



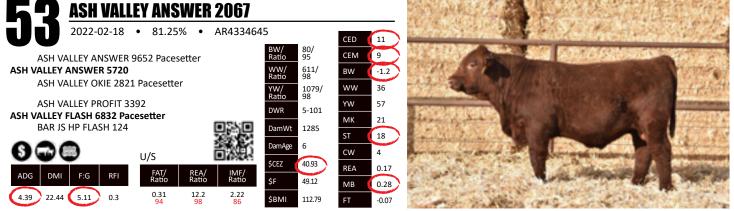
Another freak in the feed efficiency group and 2110 is a purebred. Numbers like 11.35 lbs. of intake ratioed 182 and conversion of 3.96 was a 145 ratio, make you realize the feed savings his progeny will generate will quickly pay for the investment in him. 2110 is also top 10% of the breed suggesting his highly efficient daughters will stay in production a long time.



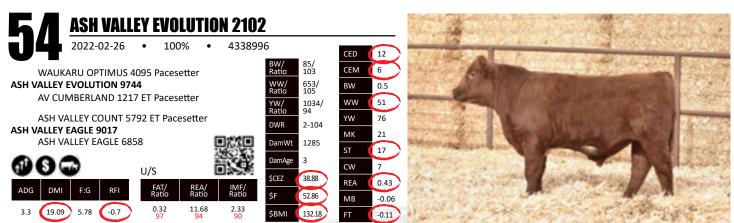
The second highest \$Durham among the purebred bulls, 2095 brings a balance of calving ease and growth with a top 20% MB EPD. 2095 has the highest ST EPD in the offering and is in the top 1% of the breed. His 3 year old mother, out of our long standing Rose family, has a weaning index of 109 on her first 2 calves.



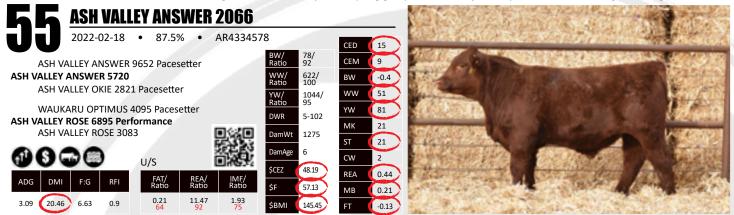
Answer 5720 has dominated the feed efficiency groups since the inception of our testing and 2078 displays that ability. High ADG, moderate intake, and a 126 ratio for conversion with a -0.7 RFI. His balanced EPD profile put him in the top 30% for \$CEZ and \$BMI and top 20% for \$F, as well as he is the #7 bull in the group for \$Durham.



A 3/4 brother to the top selling bull of the 2021 sale to Leachman Cattle of Colorado. Very similar in his kind and makeup. Top level calving ease, carcass and feed efficiency with moderate mature size. One of the highest ADGs to go with an impressive 5.1 F:G.



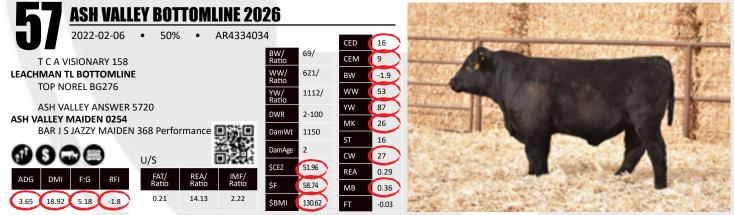
Top 25% \$CEZ and WW EPD numbers give 2102 a nice balance of calving ease and growth. He is the highest ranking Evolution son for \$CEZ. His 108 intake ratio and -0.7 RFI are well above average for feed efficiency in the spring group. His mother, just a 3 year old, has an average weaning ratio of 103.



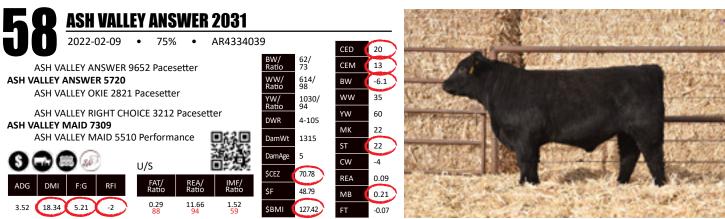
A higher growth Answer son by a good young Optimus daughter that is already a 2 time Pacer Performance cow in her young career. Top level calving ease and top level carcass round out an impressive set of numbers.

ASH VALLEY REBELLIO	N 2034	
2022-02-09 • 50% •	AR4334544 CED 15	a francisco de la calencia de la cal
G A R ASHLAND	BW/ 84/ Ratio 102 CEM 8	
HPCA VERCINGETORIX	WW/ 732/ Ratio 117 BW -1.3	
H P C A SURE FIRE P245	YW/ 1244/ WW 77 Ratio 113	
WAUKARU OPTIMUS 4095 Pacesetter	DWR 2-106	States and the second se
ASH VALLEY LUCY 9120 ASH VALLEY LUCY 5509	DamWt 1405	
ASIT VALLET LOCT 5505	ST 13	
🔂 🚭 📾 🔊 u/s	DamAge 3 CW 23	
	IMF/ \$CEZ 42.32 REA 0.41	and the second se
Ratio Ratio	IMF/ Ratio \$F 75.41 MB 0.75	I A DE LA
4.17 24.18 5.79 2 0.36 13.2 109 106	2.84 110 \$BMI 160.81 FT -0.02	C. Sector and the sector of th

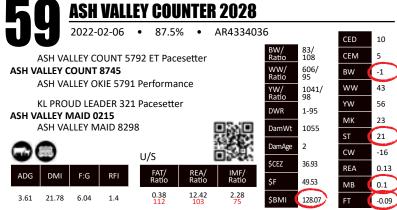
The higher growth of the two Vercingetorix bulls and this one just pounds every trait. Not only is he top 1% for WW, YW, MB, \$BMI and \$F, but he is top 10% CED, CEM, and BW. He solidifies those traits with all the actual performance to go with the EPD profile and he is the 2nd highest \$Durham in the offering.



Slowed down a little by being a twin on a first calf heifer, 2026's EPDs show more than enough grow and carcass. His feed efficiency is proof of the consistency of the BottomLine genetics ability to be highly feed efficient.

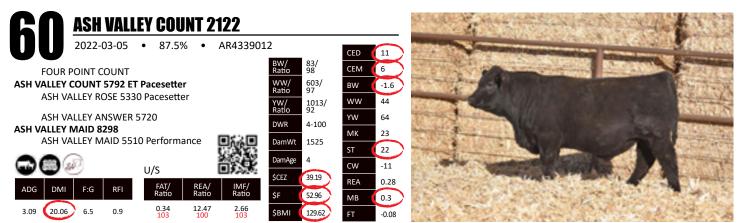


EPDs and feed efficiency stats that land very close to the top selling bull of the 2021 sale to Leachman Cattle. Unrivaled calving ease and birth numbers with top MB and \$BMI and strong feed efficiency numbers as well.





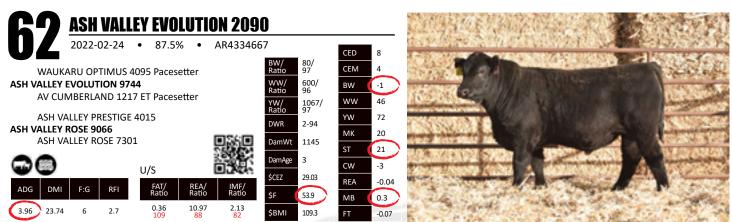
Top third of the breed for CED and CEM and top 10% for BW.



Top 25% CED and CEM and top 2% ST push this Count son to be in the top 10 on \$Durham. He will create moderate frame calves that arrive without issues.

C1 <u>ASH VALLEY I</u>	VOLUTION 20	15		自己的。 这些是我们的是我们的是不是不是不是不是不是不是不是不是不是不是不是不是不是不是不是不是不是不是不
2022-02-20 •	75% • AR4334		CED 11	
WAUKARU OPTIMUS 4095 I	acesetter	BW/ 84/ Ratio 100 WW/ 738/	CEM 3 BW -1	
AV CUMBERLAND 1217 ET F	acesetter	Ratio 118 YW/ 1155/ Ratio 105	WW 60	
CONNEALY CAPITALIST 028 ASH VALLEY MAIDEN 9007		DWR 2-109	YW 90 MK 24	
ASH VALLEY MAIDEN 7303		DamWt 1460 DamAge 3	ST 21	
ADG DMI F:G RFI	T/ REA/ IMF/ tio Ratio Ratio	\$CEZ 32.5	CW 15 REA 0.45	
	tio Ratio Ratio .4 13.16 2.03 21 106 78	\$F 58.6 \$BMI 130.07	MB 0.13 FT -0.05	And the second s

The top spread bull out of Evolution with BW, WW and YW all in the top 10%. His actual performance confirms that with indexes of 100, 118, 105. His Capitalist sired mother has a weaning ratio of 108 on her first 2 calves.



Top 10% BW EPD and WW and YW well above breed average. This Evolution son by a Prestige 4015 cow is in the top 20% for \$F and ranks in the top third of the bulls for \$Durham.

C2 ASH VALLEY COUNTER 2055	j	and the second
2022-02-14 • 75% • AR4334	CED (14)	
ASH VALLEY COUNT 5792 ET Pacesetter	BW/ 64/ Ratio 83 CEM 8	
ASH VALLEY COUNT 8745	WW/ 640/ BW (-2.9) Ratio 100	
ASH VALLEY OKIE 5791 Performance	YW/ 1117/ WW 52 Ratio 105	
WERNER FLAT TOP 4136	DWR 1-100 YW 86	TRANSFORMER AND ADDRESS OF ADDRES
ASH VALLEY MAID 0219 ASH VALLEY MAID 8312	DWK 1-100 MK 21 DamWt 1110 ST 18	
¶ S ⊕ ⊜ 🖉 u/s 🛛 👬 💐	DamAge 2 CW 16	
ADG DMI F:G RFI FAT/ REA/ IMF/ Ratio Ratio	SEE SEE SEE O.35 \$F 57.29 MB 0.28	And the second second second
4.35 23.15 5.32 1.2 0.26 13.33 1.92 77 110 63	\$BMI 124.48 FT -0.05	

A top feed efficiency 8745 son out of first calf Flat Top daughter. 2055 has super growth with heifer safe calving ease and top carcass numbers.

Sell Shorthorn-Influenced Calves for a Premium

Marketing at Weaning

If your operation typically sells at weaning, we have buyers ready to purchase Shorthorn influenced calves without your typical market distortion (sorts on color, size, etc.). This eliminates yardage, sale expense, and essentially cuts out the middleman.

Partial Ownership to Finish

If your desire is to market the cattle to finish weight and maybe your cash flow doesn't allow for it, we have feeding partners willing to own a percentage of the feeding group. This allows the owner a cash flow up front and still be able to participate in the profitability of finish cattle marketing as well as have the option to achieve any grid based premiums. Feed will be financed to finishing date and settlement will be made at close out. This is a nice option for the producer who has been a typical market at weaning operation that wants to transition.

Retained Ownership Finishing

The feed, yardage, and expenses are carried for the length of the feeding period and settled at close out. You are paid on the net of sale minus expenses. Our feeding partners have been exceptional in terms of rate of gain as well as feed conversion. They also have delivery rights for USPB and other grid based marketing opportunities.

We have maintained a relationship with our feedlot partners for over 20 years and they have fed thousands of head of Shorthorn-influenced cattle. They are very much in tune with the ability of Shorthorn influenced cattle's ability to gain and convert in the top tier of everything they feed. Allow us the opportunity to help you maximize the full value of Shorthorn genetics.



One of the top Answer daughters to sell to date and in the last class of natural calves by this soon to be legendary sire. Combine Answer's ability to join calving ease, growth, efficiency and carcass with a 4 time Pacer Performance cow and you get a product that is as desirable in phenotype as she is on paper.

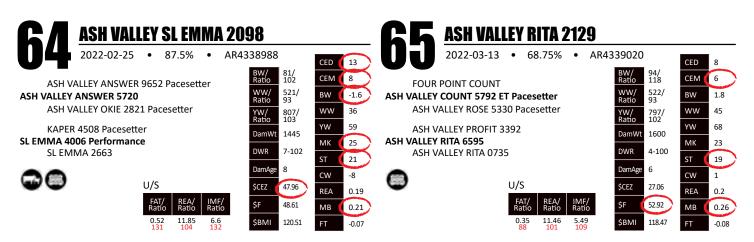


A moderate framed female out of a dam who has a yearling index of 104. Her top of the line MB EPD comes not only from her actual performance but a mother who has a 110 ratio for IMF over all her progeny.









101 index for weaning with a negative BW EPD, this Evolution/Lucy combination has a balanced set of numbers. She has an attractive, easy keeping look as well.







Pressbreaker on a high growth Lauer bred female generates predictable calving ease and a moderate size. Top 20% \$CEZ and top 15 \$BMI.



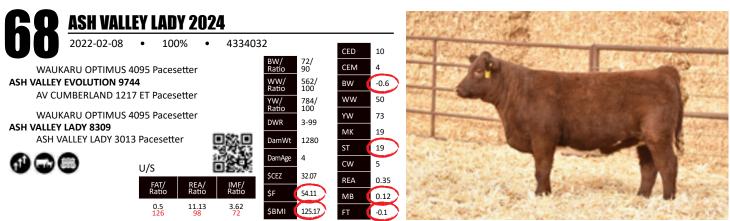
Denotes top 25% of Breed

C ASH VALLEY ROSEWOOD 212							
2022-02-11	l • 100%	• 43452	76	CED 🕻	11		
KL PROUD LEADER 3	321 Pacesetter	BW/ Ratio		СЕМ	7		
ASH VALLEY PRESSBREAK	ER 9734	WW Ratio		BW	-0.8		
ASH VALLEY MAIZE	7574	YW/	854/	WW	42		
KL PRIME-TIME SYN	IERGY	Ratio Dam		YW	56		
KL ROSEWOOD 6108				МК	27		
KL ROSEWOOD H68		DWR	4-103	ST	19		
		Dam/	Age 6	CW	-14		
	U/S	\$CEZ	41.9	REA	0.2		
	FAT/ REA/ Ratio Ratio	IMF/ Ratio \$F	48.1	MB	0.02		
	0.5 12.03	4.72 \$BM	132.28	FT	-0.08		

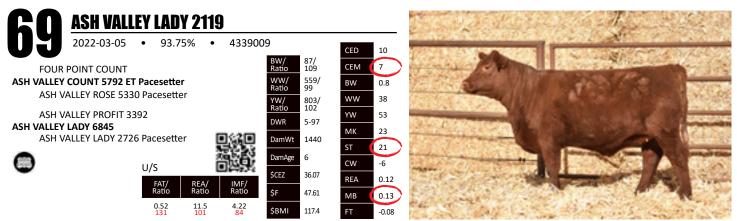
C	27	AS	H VA		EY L	UCY	2017	
U		202	22-02-07	7	•	100%	•	433
ASH	VALLE	YEVO	OPTIMU L UTION S RLAND 1	974	4			
ASH	VALLE		Y PRESTI 7 8230 Y LADY 4			Paceset	ter	
1	•	0		l	J/S			
					FAT/ Ratio	REA/ Ratio	IMF/ Ratio	

0.4 101 12.5 110 4.93 98

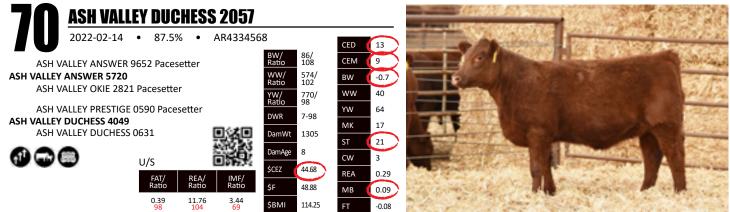
34026 CED 10						
B) (/		CED	10			
BW/ Ratio	81/ 102	CEM	6			
WW/ Ratio	568/ 101	BW 🕻	-0.1			
YW/ Ratio	775/ 99	WW	39			
	1365	YW	59			
DamWt						
DWR	2-101	МК	21			
	2-101	ST 🚺	19			
DamAge	4	CW	0			
4		CVV	0			
\$CEZ	37.6	REA	0.35			
\$F	48.41	мв	0.1			
\$BMI	116.49	FT 【	-0.09			
			and the second sec			



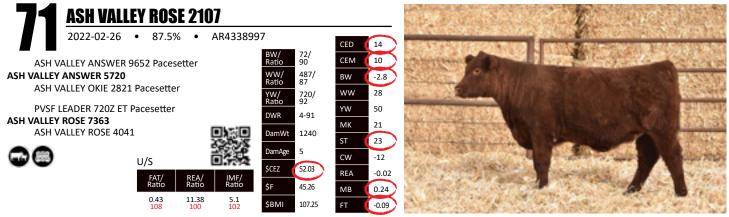
One of the higher growth heifers in the offering, yet 2024 doesn't give up much on BW EPD and has a top 25% \$BMI.



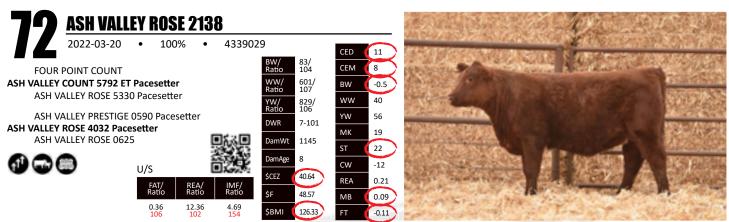
Functionality and longevity are two terms that describe 2119. Her maternal grandmother, Lady 2726, is to this day one of the few females that have been named a Pacesetter Dam 5 times.



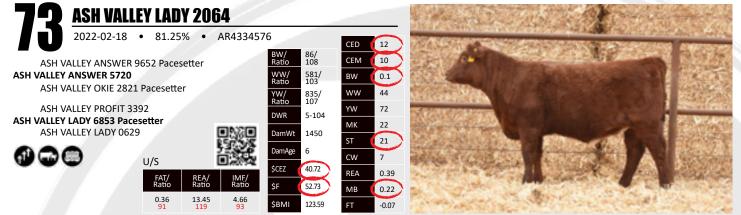
A moderate framed Answer daughter out of an 8 year old Prestige daughter the has top 5% CEM and Top 15% CED, BW, and \$CEZ. She also has a ST EPD that is at the top of the breed.



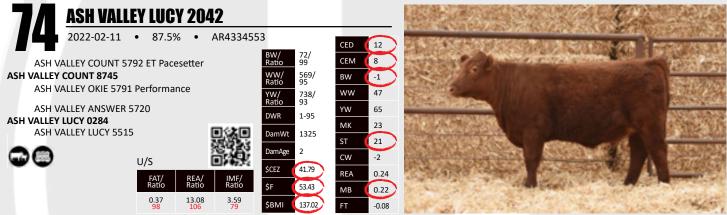
A female that is attractive in her design that will allow you to go any different direction with her because of her top 3% CEM and BW numbers.



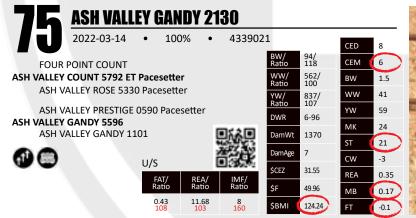
2138's mother has a weaning index of 101 on 6 progeny but amazingly has an average IMF index of 118. With that kind of marbling numbers and a top 10% YG EPD, 2138 will produce highly sought after feedlot cattle.



A 5 frame Answer daughter that indexed 103 and 107 for weaning and yearling and had a 119 REA index. Her mother, a Profit daughter, is a 2 time Pacesetter dam.

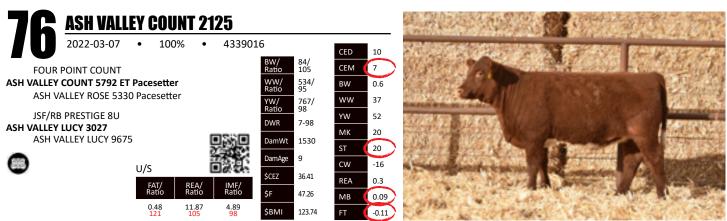


This 8745 daughter has all \$indexes in the top 25%, top 10% BW and CEM EPDs and a ST in the top 3%.

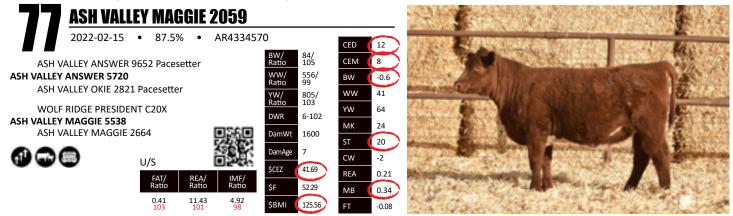




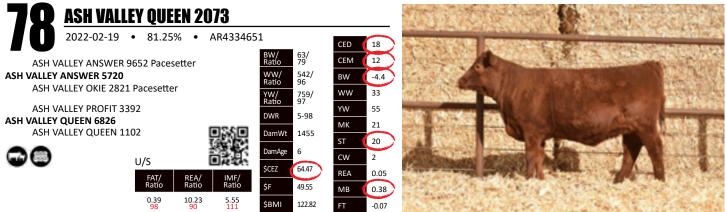
A maternal half sister to what has been said is the best Answer son anywhere to date, working at Gilman Shorthorns in Iowa. We are probably crazy to let this heifer get away. She has a 107 yearling ratio and an incredible 160 IMF ratio and incredibly was over 8 for adjusted IMF.



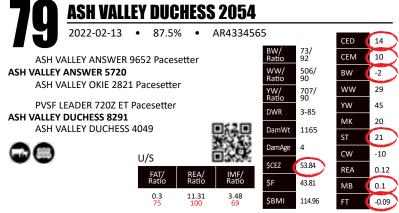
The Lucy cow family has been a mainstay here because they produce low maintenance, trouble-free cattle. There are not many ways to punch holes in 2125, she is attractively made with a \$BMI that is in the top third of the breed.



A higher growth Answer daughter out of the reliable Maggie cow family. 2059 ratioed 103 for yearling and her mother has a 103 average weaning index.

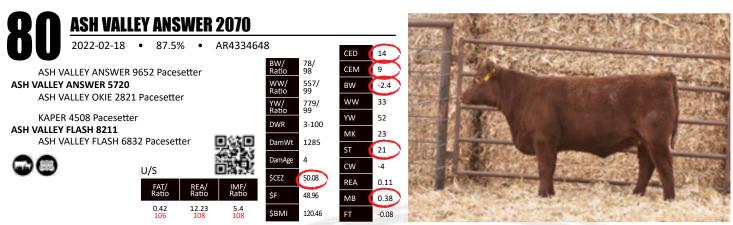


A full sister to Ash Valley Answer 0260 that topped the 2021 sale to Leachman Cattle. She has the same attractive pieces as her brother, top 1% calving ease, good growth, and top carcass traits. She is also in the top 10% of the breed for Stayability.

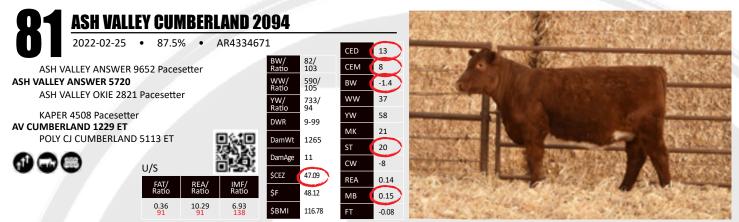




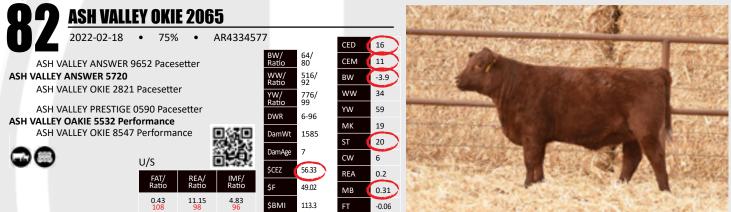
Duchess 2054 has reliable calving ease, high stayability, and high carcass quality.



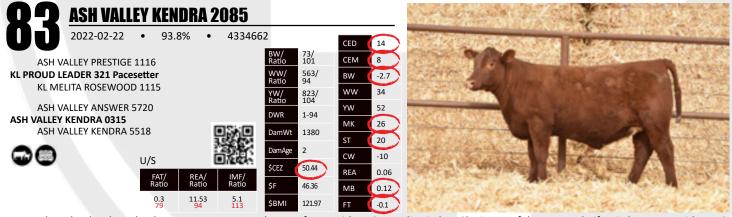
MB EPD in the top 1% and an actual IMF ratio of 108 put 2070 at the top of the group for carcass merit.



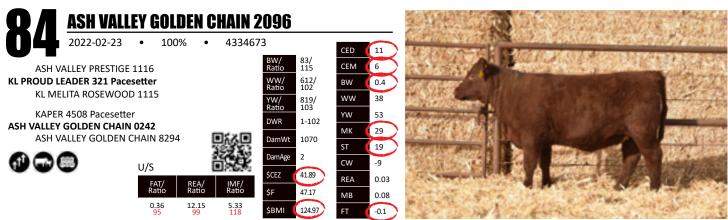
With BW and CEM EPDs in the top 10%, 2094 will be trouble free from a calving standpoint. She also recorded a 105 ratio for weaning and an impressive 138 IMF ratio.



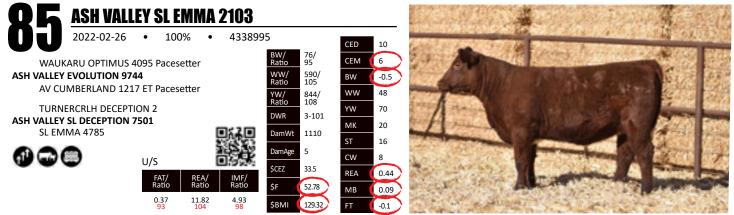
One of the lightest actual birthweight heifers in her contemporary group that posted a yearling weight right on the average and will mature at moderate 5 frame. Top 1% BW and CEM EPDs.



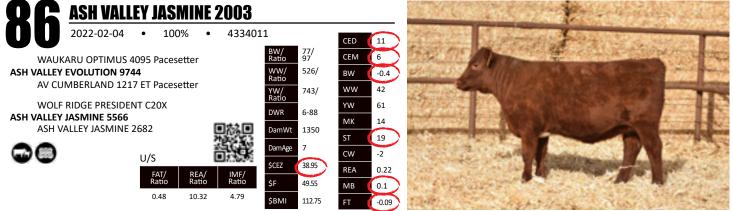
A Proud Leader daughter that has grown out to a moderate 5 frame with a 104 yearling index. She is one of the top IMF heifers in her group with a 113 ratio.



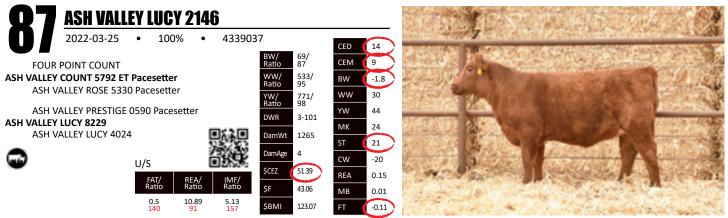
The Golden Chain cow family has been recognized nationwide for their type and functionality. 2096 is no different with top calving ease and stayability EPDs and \$CEZ and \$BMI in the top 25% of the breed.



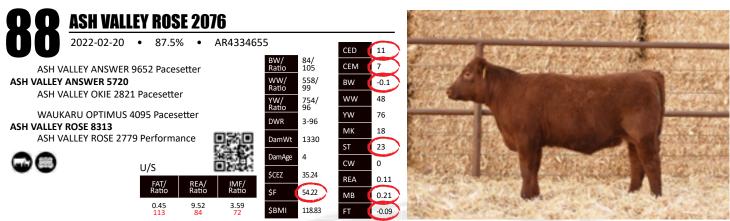
Evolution gives a shot of power to a very pretty made Deception daughter. The end result is product that is in the top 35% for most EPD indicators. This impressive growth female has weaning and yearling ratios of 105 and 108 while maintaining a birthweight ratio of 95.



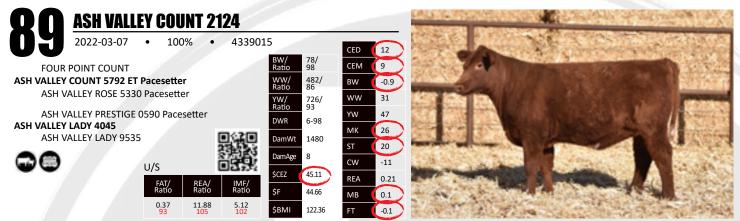
2003 has top 15% BW and Top 25% CED, CEM, and \$CEZ. Her growth numbers indicate she will be a moderate frame at maturity.



2146 is a low birthweight, moderate growth female that will produce high quality offspring. She has an IMF ratio of 157 to go with top of the breed calving ease numbers.



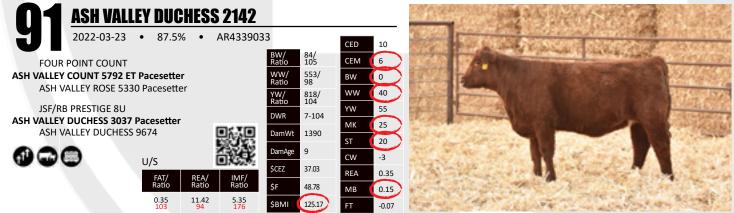
2076 has a nice blend of calving ease, growth, and carcass EPDs. Most of the major indicators are in the top 30% of the breed.



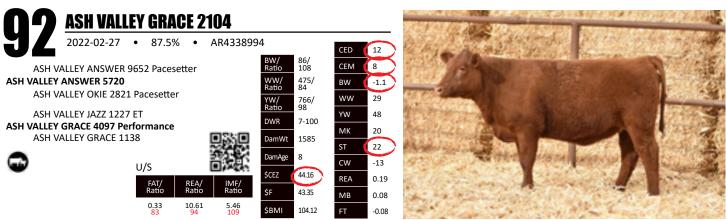
Count makes females that are easy keeping, structurally correct and still expressively muscled. 2124 will fit all those descriptors and still has a top 5% CEM and top 15% BW EPD and \$CEZ.



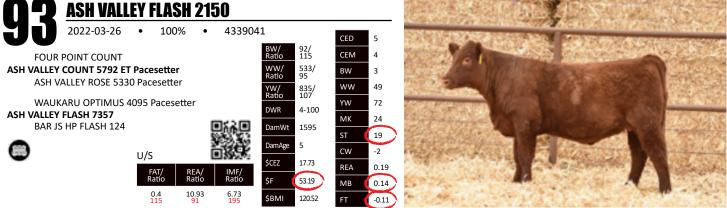
Another top carcass merit Count daughter, 2140 has an incredible 189 ratio for IMF. This should come as no surprise as her mother's progeny averages 135.



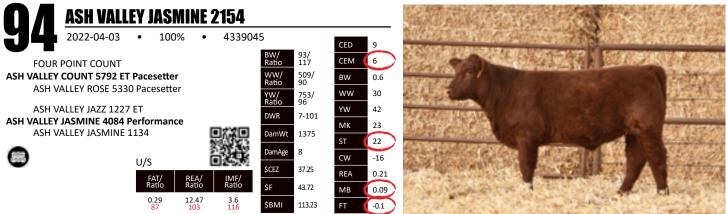
Another high quality grade Count daughter that ratios 176 for IMF and 104 for yearling weight. She is also top 25% for \$BMI.



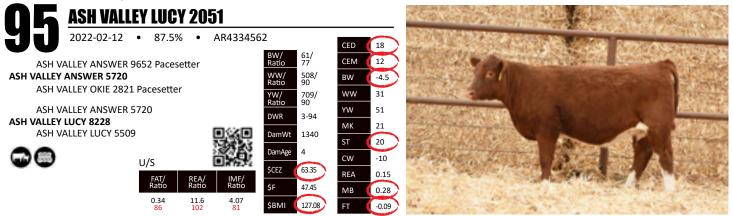
The Graces are one of our oldest cow families and it's not hard to see why. 2104's dam is in rare air, as she is a 5 time Pacer Performance cow as an 8 year old. That is just getting it done year in and year out.



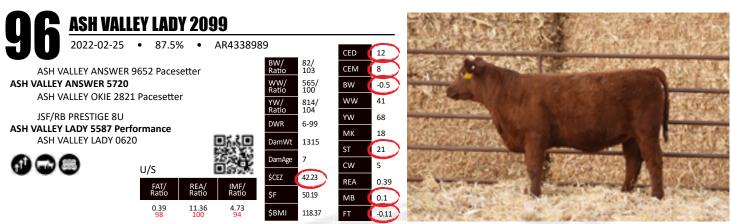
A high growth and high carcass Count daughter, 2150 indexed 107 for yearling weight and 195 for IMF.



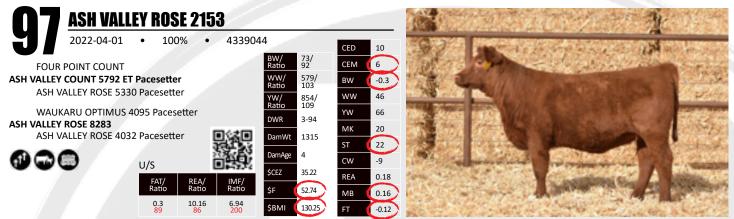
Count wasn't bred to be a carcass merit sire, but he has proven that carcass quality in an easy fleshing type will be his hallmark. 2154 has a top 25% MB EPD that is confirmed by her 116 IMF ratio.



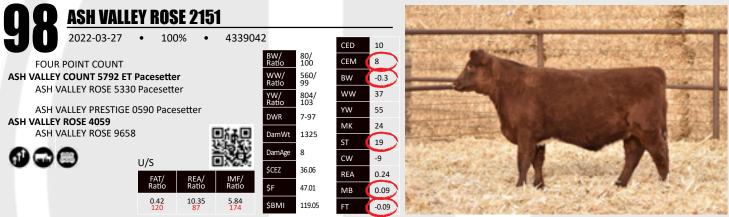
A linebred Answer daughter with the lowest BW EPD in the offering and a top 1% CED and CEM. As tightly bred as she is by pedigree and the type of calving ease she possesses, there are a lot of options to breed her with.



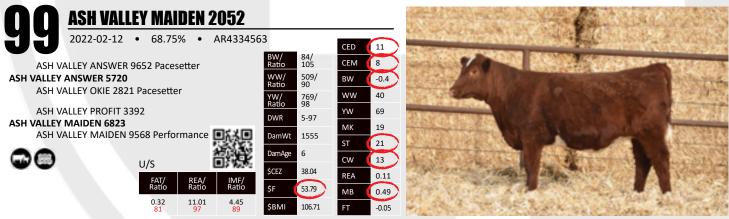
Solid growth combined with good calving ease and carcass, 2099's mother is a 2 time Pacer Performance female.



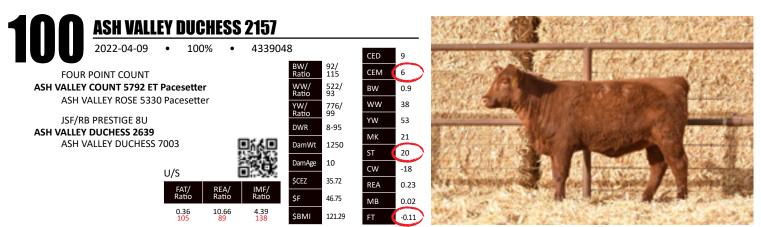
2153 is a top 15% \$BMI female that is also top 2% for Stayability. This goes well with the fact that the Rose cow family has been here over 40 years.



This Count daughter was right on the average for birth and weaning, then posted a 103 ratio for yearling. She went on to put up a 174 ratio for IMF.



The top MB EPD heifer in the offering and also a top 25% \$F figure. Maiden 2052 also possesses rock solid calving ease that Answer sired cattle are known for.



2157's maternal grandmother was the first cow raised here to reach Pacesetter status in 3 calves. This Duchess cow family does it right every year, from performance to quality.

FEEDING & DEVELOPMENT DONE RIGHT

We employ the service of John Ney with Nutrition Solutions to help balance the feed rations as well as to monitor the intake and performance of the bulls. The bulls start out on the cow without creep feed and only rely on their mothers for weaning performance. This allows us to evaluate the performance of the cow as well as the calf. They are weaned on a high forage content mixed ration and allowed to grow at a slower pace to increase frame and give them time to develop. As final selections are made, the sale bulls are moved to a ration containing higher energy while maintaining a higher forage content. These bulls never see a concentrate ration and we feel that is important to a digestive system that will only have access to a forage based system post sale. Exercise is key in the development of a young sire; we feel that it's important to give them access to plenty of space to move to aid in their growth.

SALE TERMS

Semen and Breeding Soundness Exams All of the bulls will be semen checked and a Breeding Soundness Exam performed by sale day. These will be performed by our long term veterinarian Dr. Bill Niederee of Countryside Vet, Great Bend. We strongly encourage all buyers to always recheck before bulls are turned out to confirm that injury hasn't happened between early February and the turn out time.

Insurance

We will have available a couple of different options for this year. The standard mortality insurance with two different coverage lengths. New for this year we will also have an option for coverage that includes not only mortality, but also infertility due to accident, sickness, disease or injury. Please inquire at settlement about insurance options. If insurance is not purchased, all bulls staying at Loving Farms awaiting delivery will be at the buyer's risk.

Health

Each lot will be accompanied by a state approved health certificate for interstate shipment. Buyers should understand their specific state health requirements. For Canadian delivery, all necessary paperwork and fees will be completed by the seller and any costs/fees above that are required for domestic delivery will be at the buyer's expense. All lots have been covered by a multi-product wide spectrum health program including Bovishield Gold, Pyramid 7, Ivomec, and Dectomax.

Delivery

Free delivery to customers in Kansas. All lots not picked up sale day will be kept free until April 1, 2020. Loving Farms provides delivery to most points in the US for a minimal fee. Lots will be grouped by general direction and distance from Pawnee Rock and travel expenses divided over the number of lots on load. We guarantee cost for delivery inside the continental US will not exceed \$300 per lot. There will be a \$100 discount per lot on all bulls that are picked up sale day.

Volume Discounts

Any buyer that purchases 3 or more bulls will qualify for a volume discount equal to the number of bulls bought, up to 10%. Bulls must meet a \$4000/bull minimum to qualify. Does not apply to heifer lots.

Genetic Testing

All of the bull lots have been DNA tested with the Neogen GGP-HD50K Al sire test. This will not only test for all known genetic conditions and verify parentage, but provides genomically enhanced EPDs (GE-EPDs). The females have been tested with the GGP-LD25K test that results in GE-EPDs. All females were either tested for genetic defects if probable by pedigree or ruled out by pedigree and not tested.

Liability

Each animal(s) will be at the buyer's risk as soon as sold, but will be cared for by the sellers for a reasonable amount of time. If the buyer is leaving the animal(s) in the care of the seller, the buyer will purchase insurance for the duration of the care or accept any liability for their purchase. Neither the owners, employees, nor any other affiliated personnel can be responsible for any accidents, but they will make every effort to provide for the safety and comfort of those attending.

Guarantee

Bulls selling for \$3,000 or more are guaranteed against breeding injury for the first breeding season. Breeding season is defined as the 90-day period following the first turnout of the bulls. If a replacement bull is available, he will be provided, or if the buyer prefers, credit toward one bull will be given in the following year's sale, less salvage value of the injured bull. Please notify us as soon as possible should injury occur and prior to the injured bull being sold for salvage. Replacement bulls are not covered by this guarantee. Guarantee subject to a written statement from a veterinarian.

Why **G** Invests in Feed Efficiency Testing

The simple answer, because feed is the number one controllable

expense in beef production. That's right, controllable. High feed efficiency can save huge dollars no matter which sector we are talking about; cow/calf, stocker, feedlot. Loving Farms genetics have a track record nearly two decades long of low feed conversion in their feeding environments. We have sought ways to quantify this back to the individual level, but it requires a substantial investment in time and facilities OR a feeding partner that is trying to make the cattle they feed better as well. This is the evolution for us and our feeding partners at HyPlains Feedyard.

"I've been feeding Marty Loving's calves for more than 20 years. We have 20 years worth of data and his calves convert in the top 10% of the cattle we feed, and we feed some pretty good ones. His investment in the GrowSafe program shows his commitment to his customers and their end product." - Tom Jones, Hy-Plains Feedyard

What should we expect?

The first thing is to realize that the bull is only half the equation. Secondly, the females that these sires are mated to will vary as widely as the bulls in this offering. The take away is that this will be a multigenerational process. There will be some successes seen very quickly, others will take longer. Since it isn't feasible to test every female, the progressive cattleman will select better than average bulls for the components of feed efficiency from now on and the result will be a positive increase in efficiency.

How does feed efficiency impact my operation?

Here are a couple of scenarios to help quantify what a shift in feed efficiency will mean to you. For both scenarios, assume a 20% increase in feed efficiency.

Stocker/Feedlot:

Steers/heifers are placed in the feedlot for an average of 240 days on feed. Assume Dry Matter Intake (DMI) decreases by 20% (50#/hd to 40#/hd) and feed is costing \$.049/lb.

240 days x 10% less days	=		24 days
24 days x \$0.40 yardage	=	\$	9.60/hd
216 days x 10#/day x \$.075/lb	. =	<u>\$1</u>	<u>.62.00/hd</u>
		\$1	71.60/hd
		<u>x</u>	40 hd
Total savings of 40 head calf of	rop	o: \$	6,864.00

Cow/calf:

Spring calving cows are fed for 120 days from January 1 to May 1. Assuming forage hay cost is \$70/ton and 24% protein at \$500/ton. A 1300 lb. cow eating 2% of her body weight would consume 26# of dry hay and another 3.5# of protein to meet her requirements.

120 days x 5#/day of hay x \$.11/lb.	= \$66.00/hd
120 days x .7#/day of protein x \$.45/	′ lb. = <u>\$37.80/hd</u>
	\$103.80/hd
	x 100 cows
Total savings in a 120 day period:	\$10,380.00

Repeat these savings over a 5 year life span of that one bull and no other trait has that return on investment. *LF genetics for low feed conversion average a 8-10% increase in ADG meaning they reach goal weight faster.

Method	More Desirable	Less Desirable	Difference
F:G: (Feed Dry Matter / Weight Gain) Pounds of feed required for one pound of live weight gain	Lower values: 4.5 lbs	Higher values: 7.5 lbs	3 lbs of dry matter
DMI: Dry Matter Intake	Negative Values: -0.9	Positive Values: +0.8	1.7 lbs of feed
RFI: Residual Feed Intake: usually on dry matter Basis	Negative Values: -1.7 (Ibs of feed)	Positive Values: +1.5	3.2 lbs of feed

Most Pacer Dams & Sires *in the <u>Breed</u>*

2016

Ash Valley Maid 9562 – Performance SL Star 0626 – Performance Ash Valley Rosie 8515 – Performance Ash Valley Queen 0619 – Pacesetter Ash Valley Maggie 9525 – Pacesetter Ash Valley Marty 4280 – Performance Ash Valley Lady 9642 – Performance Ash Valley Rose 9555 – Pacesetter Ash Valley Rose 7116 – Pacesetter Ash Valley Lucy 2216 – Pacesetter Ash Valley Maiden 9568 – Pacesetter

2017

JSF Marquis 127X – Performance KL Double Duty 6294 – Performance Ash Valley Answer 9652 – Pacemaker Ash Valley Prestige 0590 – Pacemaker Kaper 4508 – Pacemaker Ash Valley Maiden 1164 – Performance Ash Valley Maize 1130 – Performance Ash Valley Wonder 1247 – Performance Av Cumberland 1217 ET – Performance Ash Valley Duchess 9622 – Pacesetter Ash Valley Maiden 1212 – Pacesetter Ash Valley Maiden 1212 – Pacesetter Ash Valley Maiden 1212 – Pacesetter

2018

JSF Marquis 127X – Pacemaker KL Double Duty 6294 – Performance Kaper 4508 - Pacemaker Ash Valley Answer 9652 - Pacemaker Ash Valley Duty 7155 - Pacemaker Ash Valley Duchess 1290 - Pacesetter Ash Valley Blanche 2834 - Pacesetter Ash Valley Aggie 9517 - Performance Ash Valley Cumberland 2604 - Performance Ash Valley Kendra 2655 - Performance Ash Valley Maiden 2802 - Performance Ash Valley Rose 8605 - Performance Ash Valley Okie 8547 - Performance Ash Valley Okie 2821 - Pacesetter

2019

Ash Valley Duchess 3037 - Pacesetter Dam Ash Valley Lady 2726 - Pacesetter Dam Ash Valley Lady 3013 - Pacesetter Dam Ash Valley Lucy 3008 - Pacesetter Dam Ash Valley Okie 9649 - Pacesetter Dam Ash Valley Rose 8655 - Pacesetter Dam Bar JS HP Lass 1251 - Pacesetter Dam Bar J S Jazzy Maiden 368 - Performance Dam Ash Valley Cumberland 4797 - Performance Dam Ash Valley Grace 4097 - Performance Dam Ash Valley Jazzy 2605 - Performance Dam Ash Valley Lady 4722 - Performance Dam Ash Valley Okie 1251 ET - Performance Dam Ash Valley Okie 3386 - Performance Dam Ash Valley Rose 2750 - Performance Dam Ash Valley Rose 3369 - Performance Dam SL Nita 1117 - Performance Dam Ash Valley Jazzy 2763 - Performance Dam

2020

Ash Valley Prestige 0665 - Pacemaker Sire KL Proud Leader 321 - Performance Sire Ash Valley Jazzy 2763 - Pacesetter Dam Ash Valley Lady 4722 - Pacesetter Dam Ash Valley Maggie 6176 - Pacesetter Dam Ash Valley Rose 3369 - Pacesetter Dam Ash Valley Addie 2781 - Performance Dam Ash Valley Addie 5807 - Performance Dam Ash Valley Lucy 5568 - Performance Dam Ash Valley Lucy 5577 - Performance Dam Ash Valley Lucy 5577 - Performance Dam Ash Valley Maide 5510 - Performance Dam Ash Valley Maiden 4748 - Performance Dam Ash Valley Maiden 5508 - Performance Dam Ash Valley Maiden 5508 - Performance Dam Ash Valley Morgans 5550 - Performance Dam Ash Valley Rose 2779 - Performance Dam Ash Valley Rose 5777 - Performance Dam Ash Valley Rose 5848 - Performance Dam Ash Valley Rosie 5522 - Performance Dam Ash Valley Star 5718 - Performance Dam Ash Valley Okie 5791 - Performance Dam SL Emma 4006 - Performance Dam

2021

Ash Valley Jasmine 4084 - Performance Dam Ash Valley Maid 4085 - Performance Dam Ash Valley Rosie 3073 - Performance Dam JSF Golden Chain 34A - Performance Dam Ash Valley Okie 5532 - Performance Dam SL Star 4025 - Performance Dam Ash Valley Rose 4032 - Pacesetter Dam Ash Valley Lucy 6824 - Pacesetter Dam Ash Valley Capitalist 5502 - Pacesetter Dam Ash Valley Flash 6832 - Pacesetter Dam

2022

Waukaru Optimus 4095 - Pacemaker Sire Ash Valley Right Choice 3212 - Performance Sire Ash Valley Blanche 5705 - Pacesetter Dam Ash Valley Cumbrland 6500 - Pacesetter Dam Ash Valley Jazzy 6585 - Pacesetter Dam Ash Valley Lady 6816 - Pacesetter Dam Ash Valley Lady 6853 - Pacesetter Dam Ash Valley Maize 6502 - Pacesetter Dam Ash Valley Rose 5765 - Pacesetter Dam Ash Valley Grace 6837 - Performance Dam Ash Valley Lady 4709 - Performance Dam Ash Valley Lady 5587 - Performance Dam Ash Valley Maize 5505 - Performance Dam Ash Valley Maize 7403 - Performance Dam Ash Valley Morgan 6513 - Performance Dam Ash Valley Okie 6539 - Performance Dam Ash Valley Okie 6597 - Performance Dam Ash Valley Rose 6895 - Performance Dam Ash Valley Lucy 2638 - Performance Dam

Invest in a Bull **THAT PAYS YOU**

LOT 41 ASH VALLEY BOTTOMLINE 2018

Lot 50 ASH VALLEY EVOLUTION 2110



-10.9 RFI

\$4,000+/yr: Saved on 25 head in the feedlot using low RFI feed efficient genetics.

1 TON Cut your winter feed bill by one ton for every 5 low RFI heifers.

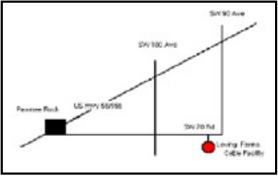
REPEAT ANNUALLY

#GROWSMARTER



351 T Road Pawnee Rock, KS 67567

241 T Road, Pawnee Rock, KS





13th Annual PREDICTABLE GENETICS PROVEN PERFORMANCE

Selling 100+ Bulls and Females March 4th in Pawnee Rock, KS. All bulls have GrowSafe Feed Efficiency data and genomic-enhanced EPDs.



