

USE EPDs TO COMPARE BULLS

Examples: Lot 68 & Lot 124

Lots 68 and 124 are very different bulls that would “fit” different customers depending on their production goals, feed resources and marketing plans. Below is a brief evaluation of each bull with interpretations of some major EPDs and a final analysis of each bull. Check them out to determine if you evaluate bulls using a decision-making process like the one described here.

Lot 68		G A R Sure Fire 8368									
Birth Date: 10/1/18		Bull		+19266792				Tattoo: 8368			
Adj Yrlg Hip Ht	51.1	EPDs CED	BW	WW	YW	RADG	DMI	YH	SC		
Adj Yrlg Scr Ctr ^{cm}	35.09	+18/1%	-1.6/5%	+53/55%	+100/45%	+28/15%	+39/20%	+5/45%	+1.37/15%		
Adj % IMF	5.92	DOC	HP	CEM	Milk	MW	MH	SEN			
% IMF Ratio	89	+31/3%	+10.6/60%	+14/4%	+34/5%	+38/70%	+5/30%	-13/60%			
Adj REA	11.9	CW	MARB	REA	Fat						
REA Ratio	92	+37/60%	+1.34/2%	+67/30%	+011/50%						
Adj Rib Fat	.27	\$Maternal	\$Weaning	\$Feedlot	\$Grid	\$Beef	\$Combined				
Rib Fat Ratio	93	+65/30%	+70/15%	+99/20%	+88/1%	+187/2%	+308/1%				
Adj Rump Fat	.25	Connealy In Sure 8524		Mytty In Focus		METHOD GENETICS					
Rump Fat Ratio	71	G A R Sure Fire		Entreena of Conanga 657		MPI/%					
		17328461		Chair Rock 5050 G A R 8086		160/4%					
				G A R New Design 5050		QPI/%					
				Chair Rock Grid Maker 2107		140/14%					
				G A R Progress		ROI/%					
				G A R Big Eye 1770		272/6%					
				G A R Momentum F276							
		18543223		G A R Daybreak 342							
				MCC Daybreak							
				G A R 5050 New Design 1039							
		BW	CALV EASE	BWR	ADJ WW	WWR	ADJ YW	YWR	ADG	GR	
		87	1	100	655	100	1009	100	2.33	56	
		Dam's Production Record					Dam's Ultrasound Production Record				
		ACT BW	BWR	WWR	YWR	%IMF	REA	FAT	RU FAT		
		1-50	-	-	-	18-103	18-102	18-107	18-94		

CED
YH
MILK
DOC
MARB

With a calving ease EPD in the Top 1%, this bull can minimize calving difficulty in first-calf heifers.

The moderate YH EPD, +.5, indicates this bull will sire offspring with less stature.

The high milk EPD suggest this bulls daughters will excel in milk production if the environment offers adequate nutrients.

The offspring of this Sure Fire son are predicted to have more desirable temperament and behavior characteristics.

The high marbling EPD increases this bull's chance of producing offspring with Choice+ and Prime carcass quality.

COMMENT: This bull offers “extreme” calving ease and high marbling genetics in offspring with a moderate frame size. Although the bull does not have the highest growth potential, the high calving ease, maternal traits and end-product merit place his Retained Ownership Index in the Top 6% and his Combined Value Index (\$C) in the Top 1% making him a great prospect for breeding heifers and retaining daughters.

Lot 124		G A R Broken Bow 7958									
Birth Date: 9/9/18		Bull		+19266764				Tattoo: 7958			
Adj Yrlg Hip Ht	50.4	EPDs CED	BW	WW	YW	RADG	DMI	YH	SC		
Adj Yrlg Scr Ctr ^{cm}	37.38	+7/45%	+1.8/65%	+88/1%	+149/1%	+27/20%	+1.74/95%	+7/25%	+9/40%		
Adj % IMF	5.7	DOC	HP	CEM	Milk	MW	MH	SEN			
% IMF Ratio	86	+23/20%	+9.6/70%	+11/25%	+21/80%	+118/1%	+9/5%	-44/95%			
Adj REA	9.5	CW	MARB	REA	Fat						
REA Ratio	74	+73/1%	+88/15%	+62/40%	+013/55%						
Adj Rib Fat	.16	\$Maternal	\$Weaning	\$Feedlot	\$Grid	\$Beef	\$Combined				
Rib Fat Ratio	55	+48/75%	+84/3%	+121/2%	+65/15%	+186/2%	+289/4%				
Adj Rump Fat	.19	Summitcrest Complete 1P5		C F Right Design 1802		METHOD GENETICS					
Rump Fat Ratio	54	KM Broken Bow 002		Summitcrest Elba 1M17		MPI/%					
		16764044		Basin Ambush 8161		151/11%					
				Summitcrest Princess 2J10		QPI/%					
				G A R Prophet		120/41%					
				G A R Prophecy		ROI/%					
				G A R 28 Ambush 181		247/22%					
				G A R Prophecy 1435							
		18333115		G A R Daybreak N653							
				MCC Daybreak							
				G A R 5050 New Design N139							
		BW	CALV EASE	BWR	ADJ WW	WWR	ADJ YW	YWR	ADG	GR	
		80	1	100	580	100	1098	100	3.67	89	
		Dam's Production Record					Dam's Ultrasound Production Record				
		ACT BW	BWR	WWR	YWR	%IMF	REA	FAT	RU FAT		
		2-77	-	-	-	5-96	5-96	5-86	5-93		

WW
YW
MILK
CW
\$Beef

This bull's calves are expected to excel in pre-weaning growth and have among the highest weaning weights.

The yearling weight in the Top 1% of the Angus breed makes this bull a “pure growth” sire.

Daughters of this bull are predicted to have lower milk, making them well suited for harsher environments with lower forage availability.

“Pounds pay the bills” and the carcass weight EPD indicates offspring of this bull will hang up heavier carcasses.

\$B indicates potential for growth and for carcass quality. While Lot 124 does not excel in MARB, his marbling and growth combination still rank him in the Top 2% of the breed for \$B.

COMMENT: This is a “pure growth” bull with enough marbling potential to suggest his offspring will produce heavy carcasses that have the chance to reach the Choice quality grade. The daughters of this sire may be larger and heavier than average, but the moderate milk EPD could make them more efficient in environments with lower forage availability. Here's a bull we would recommend for use on “cows only” that would work well in a herd seeking more pounds to market.