

What is a GE-EPD?

Technically, GE-EPD is an abbreviation for Genomic-Enhanced EPD.

For the first time in history, an Angus animal can have its genome compared to the genomes of the entire population and have the results of that comparison used in the calculation of the EPD values that describe the breeding value of that animal.

Genomic-Enhanced EPDs provide more high accuracy information about the breeding value of a young animal than we have previously known about – comparable to coming four-year-old sires with a first calf crop of 20 or more calves that have been traditionally evaluated as yearlings; or 12-year-old dams that have ten natural calves evaluated as yearlings; or 12-year-old dams that have ten natural calves evaluated using traditional weights and ultrasound measures.

While we have always known intrinsically that each animal is a unique individual, we now have a technology that allows us to identify the genetic merits of each specific Angus breeding animal, allowing us to manage and mate that animal to its best and most profitable usage.

ALL EPDs IN THIS SALE BOOK ARE GE-EPDs ENHANCED BY PFIZER-AGI HD50K DNA TEST.

Percentile Rankings

Besides their GE-EPDs, each bull in the sale also has their HD50K DNA percentile rankings provided.

Example – V A R Final Answer 0002 Actual Percentile Rankings

Calving Ease Direct		Weaning Weight		Yearling Weight		Dry Matter Intake		Milk		Marbling		Fat	
CED	BW	WW	ADG	YW	RFI	DMI	CEM	MILK	CW	MARB	RE	FAT	TEND
42%	28%	7%	6%	15%	2%	23%	29%	36%	23%	21%	10%	87%	22%
	Birth Weight		Average Daily Gain		Residual Feed Intake		Calving Ease Maternal		Carcass Weight		Ribeye		Tenderness

Percentile rankings range from the top 1% to 100. Ranked 1% at a time, with lower rankings being more favorable. Let's take a look at the example above. Bull 0002, has a DNA % ranking for birth in the lowest 28% of Angus. 0002 also has a DNA % ranking in the top 7% of Angus for weaning weight, the top 6% for average daily gain and the top 15% of Angus DNA for yearling weight. 0002 also possesses DNA that ranks him in the lowest 23% for Dry Matter Intake and the top 2% for Residual Feed Intake. The conclusion: This light birth weight bull has superior growth with some of the best feed efficiency numbers in the breed.