

BREED EPD COMPARISON

Across-Breed EPDs allow producers to accurately compare performance among cattle of different breeds and feel confident in their genetic selection.

Each breed calculates EPDs within its own genetic evaluation, on its own base. The numbers that may look identical are not. An Angus +60 weaning weight (WW) EPD isn't the same as a Simmental +60 or a Hereford +60.

Applying Across-Breed EPD adjustments, calculated by the U.S. Meat Animal Research Center (USMARC), allows for a fair comparison.

APPLYING THE ADJUSTMENT FACTOR IS SIMPLE

$\text{Across-Breed EPD} = \text{Within-Breed EPD} + \text{Adjustment Factor}$

Breed		BW	WW	MARB
Angus	Angus EPD	+2.0	+60	0.62
	Adjustment Factor	0.0	0.0	0.0
	Across-Breed EPD	2.0	60	0.62
Hereford	Hereford EPD	+2.0	+60	0.62
	Adjustment Factor	0.8	-11.5	-0.25
	Across-Breed EPD	2.8	48.5	0.37
Simmental	Simmental EPD	+2.0	+60	0.62
	Adjustment Factor	2.4	-9.8	-0.08
	Across-Breed EPD	4.4	50.2	0.54

Example of adjustment factors applied by breed.



Scan for full Across-Breed EPD conversion chart