

# Pan American Hereford Cattle Evaluation

## Genetic Trend

EPDs as of March 1, 2021

### Includes:

Genetic Trend: EPD and \$ Index Means by Birth Year Group

Averages and Percentile Breakdown - Active Sires

Averages and Percentile Breakdown - Active Dams

Averages and Percentile Breakdown - 2019 & 2020 Calves



**EPDs as of March 1, 2021**  
**Pan American Hereford Cattle Evaluation**

**Genetic Trend: EPD & \$ Index Means - All Animals - By Birth Year Group Count**

Birth Yr.	Count	CED	BW	WW	YW	DMI	SC	SCF	MM	M&G	CEM	MCW	UDDR	TEAT	CW	FAT	REA	MARB	BMI	BII	CHB	Count
89	24,641	2.0	2.6	27.5	50.0	-0.49	0.2	15.8	10.8	24.6	-0.1	64.9	1.04	1.02	45.4	-0.014	0.07	0.04	316.6	357.3	90.3	24,641
90	27,586	1.9	2.7	28.4	51.3	-0.48	0.3	15.9	10.8	25.0	-0.2	66.0	1.04	1.02	45.7	-0.014	0.08	0.04	318.2	359.8	90.6	27,586
91	29,763	1.8	2.8	28.9	51.8	-0.48	0.3	15.7	11.0	25.5	0.0	66.8	1.04	1.02	45.8	-0.013	0.07	0.04	315.6	357.5	90.6	29,763
92	31,076	1.6	2.9	29.7	53.0	-0.46	0.3	15.4	11.2	26.1	0.0	68.2	1.04	1.02	46.0	-0.013	0.07	0.04	311.0	353.5	90.4	31,076
93	33,036	1.7	2.9	30.5	53.9	-0.46	0.3	15.2	11.4	26.6	0.2	68.4	1.04	1.02	46.2	-0.013	0.07	0.04	309.2	352.2	90.6	33,036
94	35,721	1.6	3.1	31.2	54.9	-0.45	0.3	14.9	11.6	27.2	0.1	69.0	1.04	1.02	46.4	-0.012	0.07	0.04	304.1	347.4	90.5	35,721
95	39,967	1.7	3.1	32.0	55.9	-0.45	0.3	14.5	11.9	27.9	0.2	69.8	1.04	1.02	46.8	-0.012	0.08	0.04	298.9	342.7	90.8	39,967
96	45,229	1.6	3.1	33.0	57.0	-0.44	0.3	14.4	12.4	29.0	0.2	70.4	1.04	1.03	47.0	-0.013	0.08	0.04	298.7	343.5	91.1	45,229
97	46,638	1.5	3.2	33.4	57.6	-0.43	0.4	14.1	12.6	29.4	0.3	70.7	1.05	1.03	47.3	-0.012	0.08	0.04	293.9	338.7	91.3	46,638
98	55,208	1.5	3.2	34.1	58.5	-0.42	0.4	13.8	12.8	29.9	0.3	71.1	1.05	1.04	47.7	-0.012	0.09	0.04	290.7	336.2	91.8	55,208
99	57,544	1.2	3.3	34.7	59.2	-0.41	0.4	13.4	13.1	30.5	0.3	72.4	1.05	1.04	48.1	-0.012	0.09	0.04	284.6	330.4	92.0	57,544
00	56,328	1.0	3.4	35.7	60.4	-0.39	0.4	12.9	13.5	31.4	0.3	73.5	1.06	1.04	48.7	-0.011	0.10	0.03	278.4	324.6	92.2	56,328
01	153,348	0.9	3.5	35.2	59.7	-0.40	0.4	12.4	13.3	30.9	0.8	73.8	1.06	1.03	48.8	-0.009	0.09	0.03	271.0	316.4	92.0	153,348
02	144,757	0.8	3.5	36.0	60.9	-0.38	0.5	12.1	13.8	31.9	0.8	74.6	1.06	1.04	49.5	-0.008	0.10	0.03	267.4	313.5	92.5	144,757
03	144,869	0.8	3.5	37.0	62.2	-0.35	0.5	11.9	14.3	32.8	0.8	75.4	1.06	1.04	50.4	-0.008	0.11	0.03	264.8	311.6	93.2	144,869
04	145,484	0.8	3.6	37.9	63.5	-0.32	0.5	11.9	14.7	33.7	0.8	76.0	1.06	1.05	51.1	-0.008	0.12	0.03	265.1	312.8	93.8	145,484
05	141,040	0.7	3.6	39.1	65.2	-0.29	0.5	11.8	15.3	34.9	0.7	77.2	1.07	1.05	52.1	-0.007	0.14	0.03	265.7	314.4	94.7	141,040
06	138,431	0.6	3.6	40.0	66.5	-0.26	0.6	11.7	16.0	36.0	0.8	78.0	1.07	1.05	53.1	-0.005	0.16	0.04	264.3	314.0	95.7	138,431
07	134,302	0.7	3.6	41.1	68.0	-0.23	0.6	11.6	16.5	37.1	0.9	79.0	1.07	1.06	54.1	-0.004	0.17	0.04	264.4	315.3	96.7	134,302
08	131,827	0.7	3.5	41.9	69.1	-0.21	0.6	11.7	17.1	38.0	0.9	79.3	1.08	1.07	54.9	-0.003	0.19	0.04	267.1	319.0	97.7	131,827
09	127,006	0.9	3.5	42.8	70.5	-0.18	0.6	11.8	17.7	39.1	1.0	80.0	1.08	1.07	55.7	-0.002	0.20	0.05	269.8	322.9	98.8	127,006
10	129,980	0.9	3.5	43.7	71.7	-0.15	0.7	12.0	18.3	40.2	1.0	80.9	1.09	1.08	56.8	-0.001	0.22	0.05	273.6	327.8	99.7	129,980
11	129,229	1.0	3.4	44.6	72.8	-0.12	0.7	12.4	18.8	41.1	1.1	81.4	1.10	1.09	57.6	0.000	0.23	0.05	279.3	334.8	100.5	129,229
12	128,830	1.2	3.3	45.5	74.1	-0.09	0.7	12.8	19.4	42.2	1.0	82.0	1.11	1.10	58.4	0.001	0.25	0.05	287.1	343.8	101.3	128,830
13	128,619	1.3	3.3	46.3	75.2	-0.06	0.7	13.3	20.1	43.3	1.1	82.6	1.12	1.11	59.2	0.002	0.26	0.06	295.3	353.2	102.1	128,619
14	126,848	1.5	3.2	47.2	76.5	-0.03	0.8	13.9	20.9	44.5	1.2	83.2	1.13	1.13	60.3	0.004	0.28	0.06	304.8	364.3	103.4	126,848
15	131,079	1.6	3.2	48.2	78.1	0.00	0.8	14.3	21.5	45.6	1.3	84.3	1.14	1.14	61.3	0.005	0.30	0.07	311.8	372.8	104.5	131,079
16	131,348	1.8	3.1	49.2	79.6	0.03	0.8	14.9	22.3	46.9	1.4	85.2	1.16	1.16	62.3	0.007	0.32	0.07	321.5	384.3	106.2	131,348
17	132,708	2.0	3.0	50.3	81.1	0.07	0.9	15.4	22.9	48.0	1.4	86.4	1.17	1.18	63.3	0.009	0.33	0.08	329.7	394.0	107.1	132,708
18	129,980	2.2	3.0	51.1	82.4	0.10	0.9	15.8	23.5	49.1	1.6	87.2	1.19	1.19	64.3	0.011	0.34	0.09	338.1	404.2	108.7	129,980
19	121,104	2.5	2.9	52.3	84.2	0.14	0.9	16.4	24.4	50.5	1.8	88.8	1.20	1.21	65.6	0.013	0.37	0.10	347.7	415.9	110.7	121,104
20	86,001	2.7	2.8	53.9	86.5	0.19	1.0	16.9	25.6	52.6	2.2	90.5	1.22	1.23	67.1	0.016	0.39	0.11	356.7	427.4	112.7	86,001

**Percentile Breakdowns of EPDs**

A percentile chart can be used to get a better idea of how an animal ranks in the current group of equivalent animals in the Hereford population in North America, Argentina and Uruguay. The charts are divided into five-percent increments for each trait. The top five percent are further divided into one-percent increments.

Hereford cattle can be grouped into three very broad categories. The first would be active sires in the Pan American Hereford population. These are bulls who have sired at least ten total calves in the last three years. Your herdsire or potential herdsire can be compared to this population of bulls. Very few bulls rank at the top in every trait because of inherent genetic correlations. With careful evaluation you should be able to find bulls to match your specifications. Note, no animal will fall exactly on all even percentile increments. Simply utilize the even percentile level in which the EPD has exceeded.

Since EPDs may be used to compare animals in addition to active sires, additional information is provided. The average EPDs, ranges and a percentile breakdown for yearling and two-year-old cattle born in 2019 and 2020 are also provided. This table is useful for comparing the EPDs of animals that are typically for sale or a potential herd replacement candidate.

The breakdown chart and EPD ranges for the active cows with a calf reported since Jan. 1, 2019 allow one to compare his herd with all active cows in the Hereford population in North America, Argentina and Uruguay.



American Hereford Association  
EPDs as of March 1, 2021  
Pan American Hereford Cattle Evaluation

Average and Percentile Breakdown - Active Dams																				
	Production				Fertility				Maternal				Carcass			\$ Indexes				
	CED	BW	WW	YW	DMI	SC	SCF	MM	M&G	CEM	MCW	UDDR	TEAT	CW	FAT	REA	MARB	BMI	BII	CHB
<b>Average</b>	1.7	3.1	49	80	0.1	0.8	15.3	23	47	1.5	86	1.2	1.2	63	0.008	0.32	0.08	328	392	106
<b>Low</b>	-15.6	-8.4	-12	-25	-1.6	-1.0	-6.3	-14	-18	-26.1	-34	-0.1	-0.1	0	-0.126	-0.83	-0.45	38	84	2
<b>High</b>	23.0	12.4	88	141	1.5	2.7	35.9	51	88	17.8	209	2.0	2.2	117	0.184	1.40	1.00	659	746	227
Percentile Breakdown																				
<b>Upper 1%</b>	14.8	-3.7	70	113	-1.0	1.7	26.0	39	69	10.0	12	1.6	1.6	86	-0.046	0.77	0.45	492	576	154
<b>2%</b>	12.7	-1.3	67	109	-0.6	1.6	24.4	37	66	8.9	35	1.5	1.5	83	-0.036	0.70	0.38	470	552	146
<b>3%</b>	11.4	-0.7	66	106	-0.5	1.5	23.4	36	65	8.2	44	1.5	1.5	81	-0.036	0.67	0.34	455	536	141
<b>4%</b>	10.5	-0.3	65	105	-0.5	1.5	22.7	35	64	7.7	48	1.4	1.5	80	-0.036	0.64	0.31	444	524	138
<b>5%</b>	9.8	0.0	64	103	-0.5	1.4	22.1	34	63	7.4	51	1.4	1.5	79	-0.026	0.62	0.29	436	514	135
<b>10%</b>	7.7	0.9	61	98	-0.3	1.3	20.4	31	59	6.0	60	1.4	1.4	75	-0.026	0.55	0.22	408	482	126
<b>15%</b>	6.4	1.4	59	95	-0.3	1.2	19.4	30	57	5.2	66	1.3	1.3	73	-0.016	0.50	0.18	391	463	121
<b>20%</b>	5.4	1.7	57	92	-0.2	1.1	18.6	28	56	4.5	71	1.3	1.3	71	-0.016	0.46	0.16	378	448	118
<b>25%</b>	4.6	2.1	56	90	-0.1	1.1	17.9	27	54	3.9	74	1.3	1.3	69	-0.006	0.43	0.14	366	435	115
<b>30%</b>	3.9	2.3	54	88	-0.1	1.0	17.3	26	53	3.4	77	1.2	1.3	68	-0.006	0.41	0.12	357	423	112
<b>35%</b>	3.3	2.6	53	86	-0.1	1.0	16.7	25	52	3.0	80	1.2	1.2	66	-0.006	0.38	0.10	348	413	110
<b>40%</b>	2.7	2.8	52	84	0.0	0.9	16.2	25	50	2.5	82	1.2	1.2	65	0.004	0.36	0.09	340	404	108
<b>45%</b>	2.1	3.0	51	82	0.0	0.9	15.7	24	49	2.1	85	1.2	1.2	64	0.004	0.34	0.07	333	395	106
<b>50%</b>	1.5	3.2	50	81	0.1	0.8	15.2	23	48	1.7	87	1.2	1.2	63	0.004	0.32	0.06	325	387	105
<b>55%</b>	1.0	3.4	49	79	0.1	0.8	14.7	22	47	1.2	89	1.1	1.1	62	0.004	0.29	0.05	318	379	103
<b>60%</b>	0.4	3.6	48	77	0.1	0.7	14.3	21	46	0.8	92	1.1	1.1	61	0.014	0.27	0.04	311	371	101
<b>65%</b>	-0.1	3.9	47	76	0.2	0.7	13.8	20	45	0.3	94	1.1	1.1	59	0.014	0.25	0.03	304	363	99
<b>70%</b>	-0.7	4.1	46	74	0.2	0.7	13.2	19	43	-0.2	97	1.1	1.1	58	0.014	0.23	0.01	296	354	98
<b>75%</b>	-1.4	4.3	44	72	0.3	0.6	12.7	18	42	-0.7	99	1.1	1.1	57	0.024	0.20	0.00	287	345	96
<b>80%</b>	-2.1	4.6	43	69	0.3	0.6	12.0	17	40	-1.4	103	1.0	1.0	55	0.024	0.17	-0.02	278	335	94
<b>85%</b>	-2.9	5.0	41	67	0.4	0.5	11.3	16	38	-2.1	106	1.0	1.0	53	0.034	0.14	-0.03	267	323	92
<b>90%</b>	-4.0	5.4	39	63	0.4	0.4	10.3	14	36	-3.1	111	1.0	1.0	51	0.044	0.10	-0.06	253	309	88
<b>95%</b>	-5.6	6.1	35	57	0.6	0.3	8.8	11	31	-4.8	118	0.9	0.9	47	0.054	0.03	-0.09	231	286	83
<b>100%</b>	-15.6	12.4	-12	-25	1.5	-1.0	-6.3	-14	-18	-26.1	209	-0.1	-0.1	0	0.184	-0.83	-0.45	38	84	2

139,577 cows calving since January 1, 2019