

# Pan American Hereford Cattle Evaluation

## Genetic Trend

EPDs as of December 2, 2024

**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 - 2023 & 2024 Calves



**AMERICAN HEREFORD  
ASSOCIATION**

**EPDs as of December 2, 2024**  
**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
92	31,122	2.9	2.9	30.0	53.4	-0.44	0.3	18.3	11.4	26.4	0.4	73.8	1.06	1.02	48.7	-0.001	0.08	0.09	358.8	407.1	97.5	31,122
93	33,081	2.9	2.9	30.7	54.2	-0.44	0.3	18.0	11.5	26.9	0.4	73.7	1.06	1.02	48.8	-0.001	0.09	0.09	354.3	403.1	97.5	33,081
94	35,774	2.6	3.0	31.4	55.2	-0.43	0.3	17.6	11.7	27.4	0.3	74.2	1.06	1.02	49.0	-0.001	0.09	0.09	349.3	398.1	97.3	35,774
95	40,036	2.6	3.1	32.2	56.2	-0.43	0.3	17.2	12.0	28.2	0.3	74.6	1.06	1.02	49.3	-0.001	0.09	0.08	343.7	393.0	97.5	40,036
96	45,298	2.6	3.1	33.3	57.4	-0.41	0.4	16.8	12.5	29.2	0.2	74.8	1.07	1.03	49.7	-0.002	0.10	0.09	339.0	389.1	98.2	45,298
97	46,720	2.4	3.2	33.7	58.0	-0.41	0.4	16.5	12.8	29.6	0.2	75.0	1.07	1.03	49.9	-0.001	0.10	0.08	333.9	384.0	98.0	46,720
98	55,271	2.3	3.2	34.4	58.8	-0.40	0.4	16.0	13.0	30.2	0.2	75.1	1.07	1.04	50.4	-0.001	0.11	0.09	327.7	378.3	98.8	55,271
99	57,599	2.1	3.3	35.0	59.7	-0.39	0.4	15.6	13.3	30.8	0.2	76.0	1.07	1.04	50.7	-0.002	0.11	0.08	321.5	372.2	98.6	57,599
00	56,469	1.9	3.4	35.9	60.8	-0.37	0.4	15.1	13.7	31.6	0.2	76.7	1.07	1.04	51.2	-0.001	0.11	0.08	315.2	366.2	98.5	56,469
01	153,427	1.5	3.5	35.4	60.0	-0.39	0.4	14.8	13.5	31.2	0.6	77.7	1.07	1.04	51.0	-0.001	0.10	0.07	309.2	358.7	97.2	153,427
02	144,872	1.3	3.5	36.3	61.2	-0.37	0.5	14.3	14.0	32.2	0.5	78.1	1.07	1.04	51.6	-0.001	0.11	0.07	303.1	353.0	97.6	144,872
03	144,975	1.4	3.5	37.2	62.5	-0.34	0.5	13.9	14.4	33.0	0.6	78.6	1.07	1.04	52.4	0.000	0.13	0.06	297.8	348.2	98.2	144,975
04	145,601	1.4	3.5	38.1	63.8	-0.31	0.5	13.6	14.8	33.9	0.6	78.7	1.08	1.05	53.2	0.000	0.14	0.06	294.4	345.5	98.7	145,601
05	141,140	1.2	3.5	39.2	65.4	-0.28	0.5	13.3	15.5	35.1	0.5	79.1	1.08	1.05	54.1	0.000	0.16	0.06	291.4	343.2	99.4	141,140
06	138,584	1.2	3.5	40.1	66.7	-0.26	0.6	13.0	16.1	36.2	0.5	79.6	1.08	1.06	55.0	0.001	0.18	0.06	286.8	339.2	100.1	138,584
07	134,509	1.2	3.5	41.2	68.2	-0.22	0.6	12.7	16.7	37.3	0.6	79.8	1.09	1.06	55.9	0.002	0.19	0.07	283.5	336.9	101.0	134,509
08	132,043	1.3	3.5	42.0	69.3	-0.20	0.6	12.5	17.2	38.2	0.5	80.0	1.09	1.07	56.7	0.003	0.21	0.07	282.1	336.4	102.0	132,043
09	127,244	1.4	3.5	42.9	70.6	-0.17	0.6	12.4	17.8	39.3	0.6	80.0	1.10	1.07	57.5	0.004	0.22	0.07	281.1	336.3	103.0	127,244
10	130,319	1.4	3.4	43.8	71.8	-0.14	0.7	12.3	18.3	40.3	0.6	81.2	1.10	1.08	58.5	0.004	0.24	0.07	281.3	337.4	103.9	130,319
11	129,620	1.6	3.4	44.6	72.8	-0.12	0.7	12.4	18.9	41.2	0.6	82.2	1.11	1.09	59.3	0.005	0.26	0.08	283.4	340.5	104.7	129,620
12	129,476	1.8	3.3	45.5	74.1	-0.09	0.7	12.6	19.4	42.2	0.6	82.7	1.12	1.10	60.1	0.006	0.27	0.08	287.1	345.2	105.5	129,476
13	129,407	1.9	3.2	46.2	75.1	-0.07	0.7	12.9	20.1	43.2	0.7	83.0	1.13	1.11	60.8	0.007	0.28	0.08	291.5	350.6	106.1	129,407
14	129,317	2.1	3.2	47.1	76.3	-0.04	0.8	13.2	20.8	44.4	0.8	83.3	1.14	1.13	61.7	0.007	0.30	0.08	296.8	357.0	107.2	129,317
15	134,633	2.2	3.1	48.0	77.7	-0.01	0.8	13.4	21.4	45.4	0.8	83.7	1.15	1.14	62.5	0.009	0.31	0.09	301.1	362.6	108.2	134,633
16	134,985	2.2	3.1	49.0	79.1	0.01	0.8	13.8	22.2	46.7	0.9	84.2	1.16	1.15	63.5	0.010	0.33	0.09	308.7	371.7	109.6	134,985
17	136,206	2.4	3.0	50.0	80.6	0.05	0.9	14.3	22.9	47.9	0.9	84.9	1.17	1.17	64.4	0.011	0.34	0.09	316.1	380.4	110.3	136,206
18	133,439	2.6	2.9	50.9	81.8	0.08	0.9	14.7	23.5	49.0	1.0	85.5	1.18	1.18	65.5	0.013	0.36	0.10	323.9	389.8	111.9	133,439
19	129,651	2.8	2.9	51.8	83.2	0.10	0.9	15.3	24.3	50.2	1.1	86.2	1.20	1.20	66.6	0.015	0.38	0.11	333.5	401.1	113.6	129,651
20	124,636	2.9	2.8	52.9	84.9	0.13	1.0	15.8	25.0	51.5	1.2	86.9	1.21	1.21	67.8	0.017	0.40	0.11	343.0	412.3	115.1	124,636
21	123,296	3.1	2.8	53.9	86.3	0.16	1.0	16.3	25.4	52.4	1.3	87.7	1.22	1.22	68.8	0.018	0.42	0.12	351.8	422.9	117.2	123,296
22	118,176	3.2	2.7	55.1	88.2	0.19	1.0	16.8	26.2	53.7	1.4	88.4	1.24	1.24	70.0	0.021	0.44	0.13	361.6	435.0	119.3	118,176
23	106,537	3.5	2.6	56.1	89.7	0.23	1.0	17.3	26.8	54.9	1.6	89.2	1.25	1.25	71.4	0.023	0.46	0.14	370	445.3	121.4	106,537

## 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 2020 and 2021 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, 2020 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 December 2, 2024**  
**Pan American Hereford Cattle Evaluation**

**Average and Percentile Breakdown - 2023 & 2024 Calves**

	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>	3.4	2.6	56	90	0.2	1.0	17.2	27	55	1.6	89	1.3	1.3	71	0.023	0.46	0.14	369	445	121
<b>Low</b>	-15.6	-9.4	-20	-35	-1.1	-1.0	-2.8	-12	-22	-15.1	-29	0.3	0.3	-24	-0.117	-0.74	-0.44	88	141	-7
<b>High</b>	23.0	11.9	98	163	2.1	3.2	37.0	56	96	15.7	188	2.1	2.3	141	0.163	1.49	1.38	715	841	276
<b>Percentile Breakdown</b>																				
<b>Upper 1%</b>	15.1	-4.0	77	125	-0.8	2.0	27.3	41	76	9.0	30	1.6	1.6	100	-0.037	0.98	0.60	535	638	183
<b>2%</b>	13.5	-2.0	75	121	-0.5	1.8	25.9	40	73	8.1	45	1.5	1.6	96	-0.027	0.91	0.52	514	614	174
<b>3%</b>	12.4	-1.3	73	118	-0.4	1.8	25.1	39	72	7.5	51	1.5	1.5	94	-0.017	0.86	0.47	501	598	169
<b>4%</b>	11.6	-0.8	72	116	-0.3	1.7	24.5	38	70	7.1	55	1.5	1.5	92	-0.017	0.83	0.44	490	586	165
<b>5%</b>	11.0	-0.5	71	114	-0.3	1.7	24.0	37	69	6.8	58	1.5	1.5	90	-0.017	0.80	0.41	482	577	161
<b>10%</b>	9.1	0.3	68	109	-0.1	1.5	22.4	35	66	5.6	66	1.4	1.5	86	-0.007	0.72	0.33	455	544	149
<b>15%</b>	7.9	0.9	66	105	-0.1	1.4	21.4	33	64	4.8	71	1.4	1.4	82	0.003	0.66	0.28	437	523	142
<b>20%</b>	7.0	1.2	64	102	0.0	1.4	20.6	32	63	4.2	75	1.4	1.4	80	0.003	0.62	0.24	423	506	137
<b>25%</b>	6.2	1.5	62	100	0.0	1.3	19.9	31	61	3.7	78	1.3	1.4	78	0.003	0.58	0.22	411	492	133
<b>30%</b>	5.6	1.8	61	98	0.1	1.2	19.2	30	60	3.2	81	1.3	1.3	76	0.013	0.55	0.19	400	480	129
<b>35%</b>	5.0	2.1	60	96	0.1	1.2	18.7	29	59	2.8	83	1.3	1.3	75	0.013	0.52	0.17	391	469	126
<b>40%</b>	4.4	2.3	59	94	0.2	1.1	18.1	29	58	2.4	85	1.3	1.3	74	0.013	0.50	0.15	382	458	123
<b>45%</b>	3.8	2.5	58	92	0.2	1.1	17.6	28	57	2.0	87	1.3	1.3	72	0.023	0.47	0.14	374	448	121
<b>50%</b>	3.3	2.7	57	91	0.2	1.0	17.1	27	56	1.6	90	1.2	1.3	71	0.023	0.45	0.12	366	439	118
<b>55%</b>	2.8	2.9	56	89	0.3	1.0	16.6	27	55	1.2	92	1.2	1.2	70	0.023	0.43	0.11	358	430	116
<b>60%</b>	2.2	3.1	55	87	0.3	1.0	16.1	26	54	0.8	94	1.2	1.2	69	0.023	0.41	0.09	350	420	114
<b>65%</b>	1.7	3.3	54	85	0.3	0.9	15.6	25	53	0.4	96	1.2	1.2	67	0.033	0.38	0.08	342	411	112
<b>70%</b>	1.1	3.6	52	83	0.4	0.9	15.1	24	51	0.0	99	1.2	1.2	66	0.033	0.36	0.06	334	402	110
<b>75%</b>	0.4	3.8	51	81	0.4	0.8	14.5	23	50	-0.5	101	1.2	1.1	65	0.033	0.33	0.04	325	392	108
<b>80%</b>	-0.3	4.1	49	79	0.5	0.7	13.9	22	48	-1.0	104	1.1	1.1	63	0.043	0.30	0.03	315	382	105
<b>85%</b>	-1.2	4.5	48	76	0.5	0.7	13.2	21	46	-1.7	108	1.1	1.1	61	0.053	0.26	0.01	304	370	102
<b>90%</b>	-2.3	5.0	45	72	0.6	0.6	12.2	19	44	-2.5	112	1.1	1.1	59	0.053	0.21	-0.02	290	354	99
<b>95%</b>	-4.0	5.7	41	65	0.7	0.4	10.8	15	38	-3.6	119	1.0	1.0	54	0.063	0.14	-0.05	269	332	93
<b>100%</b>	-15.6	11.9	-20	-35	2.1	-1.0	-2.8	-12	-22	-15.1	188	0.3	0.3	-24	0.163	-0.74	-0.44	89	141	-7

286,933 calves born in 2023 and 2024

**American Hereford Association**  
**EPDs as of December 2, 2024**  
**Pan American Hereford Cattle Evaluation**

**Average and Percentile Breakdown - Active Sires**

	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>	3.6	2.6	56	89	0.2	1.0	17.0	27	55	1.6	88	1.2	1.3	71	0.023	0.45	0.14	364	439	121
<b>Low</b>	-13.8	-9	-12	-33	-1.2	-0.7	-4.3	-8	-9	-15.3	-23	0.2	0.4	2	-0.107	-0.59	-0.53	66	116	14
<b>High</b>	23.7	11.2	91	153	2.5	3.0	35.6	64	90	16.8	174	2.0	2.0	131	0.163	1.46	1.36	653	778	251
<b>Percentile Breakdown</b>																				
<b>Upper 1%</b>	16.4	-4.7	80	130	-0.8	2.2	29.2	45	78	10.7	20	1.6	1.7	106	-0.057	1.10	0.69	566	668	196
<b>2%</b>	14.8	-3.2	77	125	-0.7	2.1	27.8	43	75	9.6	33	1.6	1.6	101	-0.047	1.01	0.60	542	644	184
<b>3%</b>	13.9	-2.1	75	122	-0.5	2.0	27.0	41	74	9.0	38	1.6	1.6	98	-0.037	0.96	0.54	526	625	178
<b>4%</b>	13.0	-1.5	74	119	-0.5	1.9	26.3	40	72	8.4	43	1.5	1.6	96	-0.037	0.91	0.49	517	611	173
<b>5%</b>	12.3	-1.1	73	117	-0.4	1.8	25.7	39	71	7.9	46	1.5	1.5	94	-0.027	0.89	0.45	506	602	170
<b>10%</b>	10.0	-0.1	69	111	-0.2	1.7	23.8	37	68	6.5	57	1.4	1.5	88	-0.017	0.78	0.36	475	564	155
<b>15%</b>	8.7	0.6	67	107	-0.1	1.5	22.5	35	66	5.6	64	1.4	1.4	85	-0.007	0.71	0.30	452	538	147
<b>20%</b>	7.7	1.0	65	104	-0.1	1.4	21.5	33	64	4.9	69	1.4	1.4	82	-0.007	0.65	0.26	434	517	141
<b>25%</b>	6.8	1.4	63	101	0.0	1.4	20.5	32	63	4.3	73	1.3	1.4	80	0.003	0.61	0.23	419	500	136
<b>30%</b>	6.1	1.7	62	99	0.0	1.3	19.8	31	61	3.7	77	1.3	1.3	78	0.003	0.58	0.21	406	485	132
<b>35%</b>	5.4	1.9	61	97	0.1	1.2	19.0	30	60	3.1	80	1.3	1.3	76	0.013	0.54	0.18	394	471	128
<b>40%</b>	4.7	2.2	59	95	0.1	1.2	18.3	29	59	2.6	83	1.3	1.3	75	0.013	0.51	0.16	383	459	124
<b>45%</b>	4.1	2.4	58	93	0.2	1.1	17.6	28	57	2.1	86	1.3	1.3	73	0.023	0.48	0.14	372	445	121
<b>50%</b>	3.5	2.7	57	91	0.2	1.0	17.0	27	56	1.6	89	1.2	1.3	71	0.023	0.45	0.12	362	434	118
<b>55%</b>	2.9	2.9	55	89	0.3	1.0	16.3	26	55	1.1	92	1.2	1.2	70	0.023	0.42	0.10	351	422	115
<b>60%</b>	2.3	3.1	54	87	0.3	0.9	15.6	25	53	0.6	95	1.2	1.2	68	0.033	0.39	0.08	341	411	112
<b>65%</b>	1.7	3.4	53	84	0.4	0.9	14.8	24	52	0.1	98	1.2	1.2	66	0.033	0.36	0.06	330	399	109
<b>70%</b>	1.0	3.6	51	82	0.4	0.8	14.1	23	50	-0.4	101	1.2	1.2	65	0.043	0.32	0.04	319	386	106
<b>75%</b>	0.2	3.9	50	80	0.5	0.7	13.3	22	49	-1.0	105	1.1	1.1	63	0.043	0.28	0.02	308	374	103
<b>80%</b>	-0.6	4.3	48	77	0.5	0.7	12.5	21	47	-1.7	109	1.1	1.1	61	0.053	0.24	-0.01	295	361	100
<b>85%</b>	-1.6	4.6	46	73	0.6	0.6	11.5	19	44	-2.5	113	1.1	1.1	58	0.053	0.19	-0.03	280	344	96
<b>90%</b>	-2.9	5.2	43	69	0.7	0.4	10.2	17	41	-3.5	119	1.0	1.0	54	0.063	0.13	-0.07	258	323	90
<b>95%</b>	-4.7	6.0	38	60	0.8	0.3	8.3	12	34	-4.8	127	1.0	1.0	48	0.083	0.02	-0.12	232	292	81
<b>100%</b>	-13.8	11.2	-12	-33	2.5	-0.7	-4.3	-8	-9	-15.3	174	0.2	0.4	2	0.163	-0.59	-0.53	66	116	14

8,282 sires produced at least 10 calves since January 1, 2022

**American Hereford Association**  
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**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>	2.7	2.9	52	83	0.1	0.9	15.8	24	50	1.1	86	1.2	1.2	67	0.015	0.38	0.11	341	409	113
<b>Low</b>	-16.9	-9.3	-16	-40	-1.4	-0.8	-3.8	-10	-17	-18.4	-29	0.1	0.0	-6	-0.107	-0.82	-0.49	64	105	10
<b>High</b>	22.2	11.6	95	161	1.6	2.9	38.8	59	92	17.3	193	2.0	2.2	125	0.173	1.54	1.26	686	787	241
<b>Percentile Breakdown</b>																				
<b>Upper 1%</b>	15.5	-4.7	73	118	-0.8	1.9	26.5	41	73	9.0	24	1.6	1.6	96	-0.047	0.92	0.54	513	607	173
<b>2%</b>	13.7	-2.1	70	114	-0.6	1.7	25.1	39	70	8.0	34	1.5	1.6	91	-0.037	0.85	0.46	491	581	164
<b>3%</b>	12.3	-1.1	69	111	-0.5	1.7	24.2	38	69	7.4	42	1.5	1.5	88	-0.037	0.80	0.41	477	565	158
<b>4%</b>	11.4	-0.6	68	109	-0.4	1.6	23.6	37	68	7.0	47	1.5	1.5	86	-0.027	0.76	0.38	466	552	153
<b>5%</b>	10.7	-0.3	67	108	-0.4	1.6	23.1	36	67	6.6	50	1.5	1.5	85	-0.027	0.74	0.35	457	542	149
<b>10%</b>	8.6	0.6	64	102	-0.3	1.4	21.4	34	63	5.3	61	1.4	1.4	81	-0.017	0.65	0.27	427	507	138
<b>15%</b>	7.4	1.1	62	99	-0.2	1.3	20.2	32	61	4.5	66	1.4	1.4	78	-0.007	0.59	0.23	408	484	131
<b>20%</b>	6.5	1.5	60	96	-0.1	1.2	19.3	31	59	3.9	71	1.3	1.3	76	-0.007	0.55	0.20	394	467	127
<b>25%</b>	5.6	1.8	58	94	-0.1	1.2	18.5	29	58	3.3	74	1.3	1.3	74	-0.007	0.51	0.18	382	453	123
<b>30%</b>	4.9	2.1	57	92	0.0	1.1	17.9	28	56	2.8	77	1.3	1.3	72	0.003	0.48	0.15	371	441	120
<b>35%</b>	4.3	2.3	56	90	0.0	1.0	17.3	27	55	2.4	80	1.3	1.3	71	0.003	0.45	0.14	362	430	118
<b>40%</b>	3.7	2.6	55	88	0.0	1.0	16.7	27	54	2.0	82	1.2	1.2	69	0.003	0.43	0.12	353	420	116
<b>45%</b>	3.1	2.8	54	86	0.1	0.9	16.2	26	53	1.6	85	1.2	1.2	68	0.013	0.40	0.10	345	411	114
<b>50%</b>	2.6	3.0	53	84	0.1	0.9	15.6	25	51	1.2	87	1.2	1.2	67	0.013	0.38	0.09	337	403	112
<b>55%</b>	2.0	3.2	52	83	0.2	0.8	15.2	24	50	0.7	89	1.2	1.2	66	0.013	0.36	0.07	331	395	110
<b>60%</b>	1.5	3.4	50	81	0.2	0.8	14.7	23	49	0.3	91	1.2	1.2	64	0.023	0.33	0.06	323	387	108
<b>65%</b>	0.9	3.6	49	79	0.2	0.8	14.1	22	48	-0.1	94	1.1	1.1	63	0.023	0.31	0.05	315	378	106
<b>70%</b>	0.3	3.9	48	77	0.3	0.7	13.5	21	46	-0.6	96	1.1	1.1	62	0.023	0.28	0.03	306	369	104
<b>75%</b>	-0.4	4.1	47	75	0.3	0.7	12.9	20	45	-1.1	99	1.1	1.1	60	0.033	0.25	0.02	297	360	102
<b>80%</b>	-1.1	4.4	45	72	0.4	0.6	12.3	19	43	-1.6	103	1.1	1.1	58	0.033	0.22	0.00	288	349	99
<b>85%</b>	-2.0	4.7	43	70	0.4	0.5	11.4	17	41	-2.3	106	1.1	1.0	56	0.043	0.19	-0.02	276	337	96
<b>90%</b>	-3.1	5.2	41	66	0.5	0.4	10.5	15	38	-3.1	111	1.0	1.0	54	0.053	0.14	-0.05	261	321	92
<b>95%</b>	-4.8	5.9	36	58	0.6	0.3	9.0	11	32	-4.3	119	1.0	0.9	50	0.063	0.06	-0.09	239	298	86
<b>100%</b>	-16.9	11.6	-16	-40	1.6	-0.8	-3.8	-10	-17	-18.4	193	0.1	0.0	-6	0.173	-0.82	-0.49	65	105	10

149,232 cows calving since January 1, 2022