

National genetic trends by birth year for Holstein cows
Lactanet Canada, August 2023

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2010	167443	1933	-539	-29.0	-23.6	-0.07	-0.04	97.3	96.9	-5.4	-0.7	-3.4	-6.5	0.1	95.9	98.6	96.6
2011	164295	2014	-481	-24.3	-20.7	-0.05	-0.03	97.3	97.1	-4.3	-0.3	-2.6	-5.4	0.5	96.6	98.4	97.5
2012	165503	2100	-428	-19.2	-17.4	-0.02	-0.02	97.5	97.3	-3.1	0.2	-1.8	-4.3	0.7	97.1	98.5	97.9
2013	157690	2184	-287	-14.7	-12.4	-0.03	-0.02	97.5	97.8	-2.3	0.4	-1.1	-3.4	0.8	97.6	98.6	98.0
2014	154204	2272	-202	-9.7	-8.3	-0.01	-0.01	98.1	98.5	-1.5	0.4	-0.4	-2.6	1.0	98.4	98.9	98.4
2015	155259	2353	-110	-4.9	-4.4	-0.00	-0.00	98.3	99.0	-0.5	0.9	0.2	-1.7	1.2	99.0	99.0	98.8
2016	147528	2442	24	1.2	0.6	0.01	0.00	98.5	99.4	0.1	1.0	0.6	-1.0	1.3	99.6	99.4	99.5
2017	138920	2531	142	5.7	5.4	0.01	0.01	98.9	100.0	1.1	1.2	1.2	0.1	1.7	100.2	99.5	100.0
2018	132614	2621	223	12.4	10.1	0.04	0.02	99.3	100.1	1.9	1.3	1.6	1.0	2.0	100.7	99.8	100.6
2019	118482	2713	322	19.8	15.8	0.07	0.04	99.6	100.7	2.6	1.6	2.1	1.7	2.1	101.3	100.0	101.0
2020	104515	2807	443	29.2	21.6	0.11	0.05	99.7	100.9	3.3	2.3	2.6	2.2	2.3	101.4	100.0	101.3

Annual trends																	
Years	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA	
2010-2020	87	98	5.8	4.5	0.02	0.01	0.2	0.4	0.9	0.3	0.6	0.9	0.2	0.6	0.1	0.5	
2015-2020	91	111	6.8	5.2	0.02	0.01	0.3	0.4	0.8	0.3	0.5	0.8	0.2	0.5	0.2	0.5	

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.