

**National genetic trends by birth year for Holstein cows**  
**Lactanet Canada, August 2019**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2006	157114	1711	-470	-22.0	-18.1	-0.03	-0.02	98.3	98.3	-4.5	-1.8	-2.9	-5.1	-0.7	98.4	100.7	99.4
2007	158676	1749	-379	-19.7	-15.1	-0.04	-0.02	98.3	98.5	-4.1	-1.6	-2.7	-4.6	-0.8	98.3	100.6	99.1
2008	165857	1804	-313	-17.1	-12.5	-0.04	-0.02	98.2	98.8	-3.3	-1.0	-2.1	-4.0	-0.2	98.7	100.5	99.3
2009	168168	1841	-226	-14.2	-10.4	-0.05	-0.02	98.1	98.8	-2.9	-0.9	-2.0	-3.5	-0.1	98.9	100.4	99.2
2010	166414	1909	-133	-9.2	-6.3	-0.03	-0.01	98.5	99.0	-2.1	-0.4	-1.4	-2.9	0.4	99.0	100.3	99.2
2011	162868	1994	-71	-4.4	-3.5	-0.01	-0.01	98.5	99.2	-1.1	0.1	-0.6	-1.8	0.8	99.7	100.1	100.1
2012	163296	2084	-11	0.9	0.1	0.02	0.01	98.7	99.5	0.0	0.7	0.3	-0.7	1.0	100.1	100.1	100.5
2013	154302	2174	138	5.8	5.3	0.01	0.01	98.7	100.1	0.9	0.9	1.0	0.3	1.2	100.7	100.3	100.7
2014	148984	2269	226	11.1	9.4	0.03	0.02	99.2	100.8	1.8	1.1	1.8	1.1	1.5	101.5	100.6	101.0
2015	145774	2357	325	16.1	13.5	0.04	0.02	99.3	101.3	2.8	1.8	2.5	2.1	1.7	102.1	100.6	101.5
2016	126825	2451	466	22.7	18.6	0.05	0.03	99.5	101.7	3.5	2.2	3.0	2.8	1.8	102.6	101.1	102.1
Annual trends																	
Years	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA	
2006-2016	74	94	4.5	3.7	0.01	0.00	0.1	0.3	0.8	0.4	0.6	0.8	0.3	0.4	0.0	0.3	
2011-2016	91	107	5.4	4.4	0.01	0.01	0.2	0.5	0.9	0.4	0.7	0.9	0.2	0.6	0.2	0.4	

**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.