

**National genetic trends by birth year for Milking Shorthorn cows**  
**Lactanet Canada, August 2022**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2009	142	1165	-50	-5.0	-2.3	-0.04	-0.02	100.0	100.4	0.1	-0.8	-0.4	0.6	0.0	99.4	100.1	98.1
2010	167	1132	-72	-6.0	-2.5	-0.04	-0.01	100.2	99.9	-0.4	-1.3	-0.6	0.1	-0.3	99.4	100.4	99.8
2011	168	1276	25	-0.5	-0.1	-0.02	-0.01	100.6	100.3	1.4	0.5	0.5	1.8	0.5	99.9	101.0	98.7
2012	158	1249	-47	-2.3	-1.3	-0.00	-0.00	100.4	100.2	1.4	0.1	0.3	1.8	1.0	100.4	100.8	100.3
2013	148	1279	-61	-1.6	-1.2	0.02	0.01	100.6	99.8	1.7	0.1	1.0	2.0	1.3	100.9	100.8	98.8
2014	126	1348	58	1.5	1.0	-0.01	-0.01	101.5	101.3	1.9	0.7	0.6	2.1	0.7	101.2	101.9	100.4
2015	154	1343	-12	-1.6	-0.6	-0.01	-0.00	100.7	100.7	3.1	1.7	1.4	3.4	0.8	101.6	101.9	100.3
2016	127	1424	38	4.1	1.8	0.04	0.02	102.0	101.8	2.9	1.3	1.1	3.3	1.1	101.6	100.4	98.3
2017	121	1380	4	0.5	0.4	0.01	0.01	101.5	100.9	3.3	2.5	2.0	3.1	1.8	101.5	100.6	101.0
2018	108	1424	48	2.2	1.5	0.01	0.01	101.8	100.4	4.0	2.8	2.3	3.9	2.5	101.6	101.5	101.5
2019	66	1473	149	7.1	3.2	0.01	-0.01	101.1	100.4	3.7	2.0	2.3	3.6	2.7	102.0	100.5	.

  

Annual trends																	
Years	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA	
2009-2019	31	20	1.2	0.5	0.01	0.00	0.1	-0.0	0.4	0.3	0.3	0.3	0.3	0.3	0.0	.	
2014-2019	25	18	1.1	0.4	0.01	-0.00	-0.1	-0.2	0.4	0.3	0.3	0.3	0.4	0.2	-0.3	.	

**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.