

**National genetic trends by birth year for Milking Shorthorn 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	169	1139	-51	-5.5	-2.3	-0.05	-0.02	100.2	99.9	-0.6	-1.5	-0.8	-0.1	-0.3	99.4	100.7	99.8
2011	168	1289	44	-0.2	0.1	-0.03	-0.02	100.6	100.2	1.2	0.4	0.5	1.6	0.6	100.0	101.1	98.7
2012	158	1256	-33	-2.2	-1.3	-0.01	-0.01	100.4	100.0	1.2	-0.1	0.1	1.7	1.2	100.4	101.1	100.6
2013	148	1281	-51	-1.8	-1.3	0.01	0.00	100.7	99.5	1.6	-0.1	0.9	2.0	1.5	100.8	100.7	98.8
2014	126	1352	72	1.3	0.9	-0.03	-0.02	101.6	101.1	1.7	0.3	0.5	2.0	0.9	101.3	102.1	100.4
2015	157	1351	2	-1.7	-0.5	-0.02	-0.01	100.8	100.4	3.0	1.5	1.3	3.4	1.0	101.6	102.0	100.4
2016	128	1425	48	4.0	1.8	0.04	0.02	102.2	101.4	2.7	1.1	1.0	3.1	1.1	101.3	100.2	98.5
2017	129	1377	2	0.2	0.1	0.01	0.01	101.7	100.5	3.1	2.0	1.8	2.9	1.8	101.4	101.0	100.0
2018	117	1435	60	2.3	1.8	-0.00	0.01	102.1	100.3	3.8	2.4	2.1	3.7	2.7	101.5	101.4	101.2
2019	103	1437	73	5.2	1.7	0.04	-0.00	101.6	100.1	3.3	1.8	1.8	3.4	2.4	101.3	101.5	.
2020	76	1476	62	2.6	2.4	0.00	0.02	101.3	100.8	4.3	3.8	2.6	4.1	2.5	101.7	100.7	.

  

Annual trends																	
Years	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA	
2010-2020	34	11	0.8	0.5	0.01	0.00	0.1	0.1	0.5	0.5	0.3	0.4	0.3	0.2	-0.0	.	
2015-2020	25	12	0.9	0.6	0.01	0.01	0.1	0.1	0.3	0.5	0.3	0.1	0.3	0.0	-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.