

National genetic trends by birth year for Milking Shorthorn cows
Lactanet Canada, August 2021

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2008	152	1090	28	-7.8	-0.3	-0.14	-0.02	100.2	100.2	-0.8	-1.3	-1.1	-0.4	-1.0	99.2	100.3	99.4
2009	142	1161	-25	-3.7	-1.4	-0.04	-0.02	100.1	100.4	0.3	-0.6	-0.3	0.7	0.2	99.6	100.3	98.5
2010	167	1125	-46	-4.6	-1.7	-0.04	-0.01	100.3	99.9	-0.2	-1.3	-0.5	0.2	-0.1	99.4	100.5	100.2
2011	168	1272	54	1.0	0.7	-0.02	-0.01	100.8	100.4	1.5	0.6	0.6	1.8	0.6	100.0	101.0	98.9
2012	158	1247	-17	-0.7	-0.4	0.01	0.00	100.5	100.1	1.4	0.1	0.3	1.9	1.3	100.4	100.7	100.2
2013	148	1274	-33	-0.1	-0.4	0.02	0.01	100.7	99.8	1.8	0.2	1.1	2.0	1.5	101.0	100.6	99.4
2014	126	1343	89	3.2	1.9	-0.01	-0.01	101.6	101.3	1.9	0.6	0.7	2.2	1.0	101.2	101.5	100.5
2015	153	1349	21	0.7	0.4	0.00	-0.00	100.6	100.8	3.3	1.9	1.4	3.5	1.1	101.8	101.7	100.9
2016	126	1433	75	6.4	2.9	0.06	0.02	102.0	101.9	3.1	1.4	1.0	3.5	1.3	101.7	100.4	98.5
2017	115	1379	55	1.6	1.4	-0.01	0.00	101.4	101.2	3.4	2.5	1.9	3.3	1.9	101.8	101.3	.
2018	84	1430	90	4.6	2.8	0.02	0.01	102.0	100.9	3.8	2.7	1.9	3.7	2.4	101.8	101.5	100.2

Annual trends																	
Years	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA	
2008-2018	34	6	1.2	0.3	0.02	0.00	0.2	0.1	0.5	0.4	0.3	0.4	0.3	0.3	0.1	0.1	
2013-2018	31	25	0.9	0.6	-0.00	-0.00	0.3	0.2	0.4	0.5	0.2	0.3	0.2	0.2	0.2	0.2	

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.