

National genetic trends by birth year for Ayrshire 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	4102	2046	-308	-14.6	-12.4	-0.03	-0.02	99.9	99.6	-2.2	-1.7	-1.6	-2.3	-0.8	99.8	101.2	100.5
2011	3977	2072	-298	-13.6	-12.2	-0.02	-0.02	99.6	99.4	-1.4	-1.0	-0.9	-1.7	-0.1	100.2	101.0	100.6
2012	3895	2113	-203	-9.1	-8.8	-0.01	-0.02	99.7	99.6	-1.1	-0.3	-1.0	-1.3	0.3	99.6	101.1	100.3
2013	3569	2160	-170	-6.8	-7.0	0.00	-0.01	99.8	99.5	-0.3	0.0	-0.4	-0.7	0.9	100.0	100.9	100.3
2014	3441	2197	-115	-6.2	-5.3	-0.02	-0.02	99.8	100.2	0.5	0.2	0.4	0.3	0.9	100.5	100.4	100.3
2015	3311	2266	-34	-2.5	-1.9	-0.01	-0.01	99.8	100.7	1.1	0.3	0.7	1.0	1.3	101.3	100.0	100.9
2016	3082	2315	-6	0.5	0.2	0.01	0.01	100.0	100.9	1.7	0.6	1.7	1.4	1.1	101.8	99.9	101.3
2017	2726	2368	130	5.7	4.6	0.01	0.00	100.2	100.6	2.2	1.6	1.6	1.9	1.4	101.3	99.8	101.0
2018	2683	2438	254	11.3	10.0	0.01	0.02	100.3	100.5	2.3	1.5	2.1	2.0	0.9	101.4	99.5	101.1
2019	2168	2484	284	15.0	12.3	0.04	0.03	100.9	100.7	2.5	1.8	2.4	2.1	0.9	101.6	99.4	101.0
2020	1940	2536	380	18.3	15.5	0.04	0.03	101.0	100.6	3.4	2.7	2.6	3.2	1.4	101.7	99.0	101.4

Annual trends																	
Years	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA	
2010-2020	49	69	3.3	2.8	0.01	0.01	0.1	0.1	0.6	0.4	0.4	0.6	0.2	0.2	-0.2	0.1	
2015-2020	54	83	4.2	3.5	0.01	0.01	0.2	-0.0	0.5	0.5	0.4	0.4	0.0	0.1	-0.2	0.1	

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.