

National genetic trends by birth year for Ayrshire cows
Lactanet Canada, August 2024

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2011	3977	2075	-381	-17.5	-15.8	-0.02	-0.03	99.5	99.4	-1.7	-1.3	-1.2	-2.0	-0.3	100.1	101.1	100.4
2012	3895	2116	-286	-13.0	-12.4	-0.02	-0.03	99.7	99.6	-1.4	-0.6	-1.3	-1.6	0.1	99.6	101.2	100.1
2013	3574	2162	-255	-10.9	-10.6	-0.00	-0.02	99.8	99.5	-0.7	-0.3	-0.8	-1.1	0.7	99.9	101.0	100.0
2014	3443	2199	-200	-10.3	-8.9	-0.03	-0.02	99.8	100.3	0.1	-0.1	0.0	-0.1	0.7	100.4	100.5	100.1
2015	3315	2269	-125	-6.8	-5.7	-0.02	-0.02	99.8	100.7	0.7	0.0	0.4	0.6	1.1	101.2	100.1	100.7
2016	3092	2319	-93	-3.7	-3.5	0.00	-0.00	100.0	100.9	1.3	0.3	1.3	1.0	1.0	101.7	100.1	101.1
2017	2750	2370	41	1.3	0.9	-0.00	-0.01	100.2	100.7	1.8	1.3	1.3	1.5	1.3	101.2	99.9	101.0
2018	2727	2442	169	7.0	6.5	0.00	0.01	100.3	100.4	1.9	1.2	1.8	1.6	0.8	101.3	99.7	101.3
2019	2245	2490	198	10.6	8.6	0.03	0.02	100.8	100.7	2.1	1.4	2.0	1.8	0.8	101.7	99.7	101.3
2020	2239	2535	285	13.1	11.5	0.02	0.02	100.7	100.6	3.0	2.4	2.3	2.8	1.2	101.7	99.3	101.5
2021	1645	2570	290	16.3	12.7	0.06	0.03	100.5	100.6	3.4	2.7	2.8	3.1	1.3	101.8	99.2	101.2

Annual trends																	
Years	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA	
2011-2021	49	67	3.4	2.8	0.01	0.01	0.1	0.1	0.5	0.4	0.4	0.5	0.2	0.2	-0.2	0.1	
2016-2021	50	77	4.0	3.2	0.01	0.01	0.1	-0.1	0.4	0.5	0.3	0.4	0.1	0.0	-0.2	0.0	

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.