

**National genetic trends by birth year for Ayrshire 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	4237	1957	-317	-16.1	-12.2	-0.04	-0.02	99.8	99.2	-2.6	-1.8	-2.0	-2.7	-1.1	99.3	101.1	100.0
2010	4101	2042	-240	-11.3	-9.6	-0.02	-0.02	99.9	99.7	-1.8	-1.4	-1.4	-1.8	-0.7	99.9	101.2	100.5
2011	3977	2068	-231	-10.3	-9.4	-0.01	-0.02	99.6	99.5	-0.9	-0.7	-0.6	-1.2	-0.0	100.3	100.9	100.6
2012	3891	2112	-134	-5.7	-5.9	-0.00	-0.02	99.9	99.7	-0.6	0.0	-0.8	-0.8	0.5	99.8	101.0	100.3
2013	3568	2159	-99	-3.4	-4.0	0.01	-0.01	100.0	99.6	0.1	0.4	-0.2	-0.3	1.1	100.1	100.8	100.3
2014	3435	2197	-44	-2.6	-2.3	-0.01	-0.01	99.9	100.4	0.9	0.5	0.6	0.8	1.0	100.7	100.3	100.4
2015	3304	2267	35	0.9	1.0	-0.00	-0.00	99.9	100.8	1.6	0.7	1.0	1.5	1.5	101.5	99.9	101.0
2016	3066	2321	77	4.4	3.5	0.02	0.01	100.3	101.0	2.2	1.0	2.0	1.9	1.3	101.9	99.9	101.4
2017	2691	2375	208	9.6	8.0	0.02	0.01	100.5	100.8	2.7	2.1	1.9	2.3	1.6	101.4	99.8	101.1
2018	2622	2439	324	14.9	12.9	0.02	0.02	100.5	100.7	2.8	2.0	2.4	2.5	1.1	101.6	99.3	101.4
2019	1897	2498	358	19.2	15.5	0.06	0.04	101.2	101.0	3.1	2.3	2.8	2.6	1.1	102.0	99.5	101.3

  

Annual trends																	
Years	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA	
2009-2019	54	68	3.5	2.8	0.01	0.01	0.1	0.2	0.6	0.4	0.5	0.5	0.2	0.3	-0.2	0.1	
2014-2019	60	80	4.4	3.6	0.01	0.01	0.3	0.1	0.4	0.3	0.4	0.4	0.0	0.3	-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.