

**National genetic trends by birth year for Ayrshire 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	4082	1907	-323	-15.7	-12.1	-0.03	-0.01	100.1	99.3	-2.5	-1.5	-2.0	-2.6	-1.2	99.0	100.9	100.2
2009	4237	1953	-269	-13.9	-10.0	-0.04	-0.01	99.9	99.5	-2.1	-1.5	-1.5	-2.3	-1.1	99.6	101.0	100.2
2010	4100	2037	-190	-9.1	-7.4	-0.02	-0.01	100.0	99.9	-1.3	-1.1	-0.9	-1.5	-0.7	100.3	101.0	100.7
2011	3972	2065	-181	-8.0	-7.1	-0.01	-0.01	99.7	99.7	-0.5	-0.4	-0.1	-0.8	-0.0	100.7	100.8	100.8
2012	3888	2109	-82	-3.3	-3.7	0.00	-0.01	99.9	99.9	-0.1	0.3	-0.2	-0.4	0.5	100.2	100.9	100.4
2013	3562	2160	-46	-0.9	-1.6	0.01	0.00	100.0	99.8	0.6	0.7	0.4	0.1	1.1	100.5	100.7	100.5
2014	3424	2199	19	0.0	0.3	-0.01	-0.00	100.0	100.6	1.4	0.9	1.2	1.1	1.0	101.1	100.1	100.6
2015	3284	2268	92	3.4	3.5	-0.00	0.01	100.0	101.0	2.0	1.1	1.5	1.9	1.5	101.9	99.8	101.3
2016	3026	2317	134	6.7	5.8	0.02	0.02	100.2	101.2	2.6	1.5	2.6	2.3	1.3	102.2	99.7	101.7
2017	2611	2381	271	12.7	10.6	0.02	0.02	100.5	101.1	3.2	2.6	2.5	2.7	1.6	101.9	99.7	101.5
2018	2188	2452	398	18.9	16.2	0.03	0.03	100.8	100.7	3.3	2.4	2.8	3.0	0.9	101.9	99.4	102.2

  

Annual trends																	
Years	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA	
2008-2018	55	72	3.5	2.8	0.01	0.00	0.1	0.1	0.6	0.4	0.5	0.6	0.2	0.3	-0.2	0.2	
2013-2018	58	89	4.0	3.6	0.00	0.01	0.1	0.2	0.5	0.3	0.5	0.6	-0.0	0.3	-0.3	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.