

**Provincial genetic trends by birth year for Ayrshire cows**  
**Canadian Dairy Network, August 2017**

**Prince Edward Island**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	54	1596	-698	-28.3	-22.9	0.01	0.01	99.9	3.13	-1.4	-2.4	-1.4	-1.4	0.9	99.0	101.0	98.8
2005	55	1656	-570	-21.9	-18.5	0.02	0.01	99.3	3.09	-1.9	-2.1	-1.9	-1.9	0.4	99.3	101.1	98.9
2006	62	1703	-334	-18.0	-14.6	-0.06	-0.04	100.5	3.14	-1.0	-0.9	-1.8	-1.0	1.3	98.6	100.4	100.1
2007	65	1804	-363	-12.7	-11.4	0.03	0.01	99.9	3.07	0.4	0.0	-1.1	0.7	1.5	99.6	100.6	100.0
2008	43	1812	-368	-13.6	-9.6	0.02	0.04	99.4	3.11	1.6	1.4	-0.4	1.7	2.8	99.0	99.8	99.3
2009	46	1871	-257	-10.2	-7.0	0.01	0.03	99.8	3.07	1.6	1.4	-0.1	1.7	2.0	99.7	99.8	99.7
2010	53	1897	-258	-10.2	-9.0	0.00	-0.00	100.1	3.10	2.4	1.9	0.8	2.4	2.6	100.3	100.9	101.0
2011	57	2024	-81	-0.6	-1.9	0.04	0.01	99.8	3.06	3.4	2.7	1.6	3.1	3.2	100.9	100.2	100.4
2012	59	1993	-81	-2.8	-3.6	0.01	-0.01	99.6	3.09	3.7	3.2	1.8	3.3	3.5	100.3	100.2	100.2
2013	51	2146	179	6.5	4.9	-0.01	-0.01	100.1	3.05	4.6	3.5	2.1	4.5	3.6	101.3	99.8	100.8
2014	10	2193	179	15.5	6.0	0.11	0.00	101.9	2.96	3.1	2.6	2.5	2.4	2.9	101.8	100.5	101.3

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.

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**Nova Scotia**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	74	1575	-661	-30.0	-22.1	-0.04	0.01	100.5	3.14	-2.4	-2.9	-2.0	-2.2	-0.5	99.0	100.6	101.0
2005	76	1650	-506	-22.4	-19.8	-0.02	-0.04	102.0	3.11	-2.1	-1.8	-1.8	-1.8	-0.4	99.0	101.3	101.0
2006	89	1691	-469	-22.8	-17.2	-0.05	-0.02	101.9	3.09	-1.2	-1.4	-0.8	-1.4	0.4	99.6	100.9	100.1
2007	71	1715	-487	-22.3	-16.4	-0.03	0.00	101.2	3.13	-1.0	-1.7	-1.0	-0.8	0.7	100.0	101.0	101.0
2008	52	1790	-441	-16.4	-14.7	0.02	0.00	101.5	3.09	0.8	0.0	0.7	0.3	2.2	100.3	100.7	100.6
2009	57	1799	-314	-15.4	-11.5	-0.04	-0.01	101.3	3.07	0.6	1.0	-0.3	0.3	1.4	99.7	100.6	100.5
2010	59	1863	-275	-10.1	-9.7	0.02	-0.00	102.7	3.04	1.4	0.4	0.9	1.1	2.1	100.5	99.3	99.8
2011	66	1880	-317	-9.3	-10.6	0.05	0.00	102.1	3.04	0.8	0.4	0.3	1.2	1.7	100.6	101.3	100.9
2012	44	1972	-153	-6.4	-6.5	-0.00	-0.02	102.4	3.04	2.3	1.7	1.3	2.3	0.9	101.5	101.1	102.6
2013	44	1954	-107	-8.1	-4.1	-0.05	-0.00	99.7	3.07	2.8	2.6	1.8	2.1	2.9	100.8	100.1	101.1
2014	24	2099	6	3.7	2.0	0.05	0.03	101.7	2.98	3.4	2.4	2.7	2.9	2.0	101.6	100.1	101.1

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.

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**Canadian Dairy Network, August 2017**

**New Brunswick**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	95	1666	-438	-21.1	-16.5	-0.04	-0.02	102.0	3.09	-2.6	-2.3	-2.4	-2.2	-0.7	99.0	100.6	99.2
2005	110	1606	-588	-26.0	-19.8	-0.03	0.00	102.8	3.06	-3.6	-3.5	-2.5	-3.3	-1.9	99.4	100.7	100.3
2006	122	1710	-379	-18.4	-14.6	-0.04	-0.02	102.1	3.07	-2.1	-1.9	-2.1	-1.7	-0.5	99.2	100.8	99.7
2007	146	1750	-415	-15.0	-13.4	0.03	0.01	102.5	3.07	-2.2	-2.3	-2.3	-1.7	-0.4	99.6	101.1	100.2
2008	131	1803	-344	-9.8	-9.9	0.06	0.03	101.7	3.02	-1.6	-1.3	-2.0	-1.5	0.0	99.4	101.2	100.1
2009	152	1894	-125	-4.7	-3.6	0.01	0.01	102.1	3.01	-1.2	-1.1	-1.0	-1.0	-0.6	99.9	100.3	100.1
2010	127	1943	-146	-2.7	-3.0	0.05	0.03	101.9	3.01	-0.2	-0.5	-0.2	-0.2	-0.2	100.6	100.3	100.9
2011	143	1963	-116	-3.8	-3.4	0.02	0.01	101.6	2.99	1.1	0.5	1.4	0.6	0.6	101.3	99.7	100.4
2012	142	2042	-5	1.9	0.5	0.03	0.01	102.3	2.99	2.0	1.7	1.3	1.7	2.0	101.0	100.2	100.3
2013	129	2082	66	6.6	2.2	0.05	0.00	101.2	3.00	2.6	2.0	1.7	2.2	2.1	100.9	100.0	100.5
2014	89	2141	109	7.1	4.6	0.04	0.01	100.9	2.97	3.9	3.0	3.2	3.4	2.4	101.9	98.9	101.1

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.

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**Canadian Dairy Network, August 2017**

**Quebec**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	3429	1674	-377	-19.5	-14.3	-0.06	-0.02	99.6	3.09	-2.4	-2.1	-1.7	-2.5	-0.8	98.8	100.1	99.9
2005	3304	1758	-283	-12.7	-10.4	-0.02	-0.01	100.0	3.08	-2.1	-1.7	-1.7	-2.1	-0.7	99.1	100.3	100.2
2006	3156	1793	-234	-11.6	-9.0	-0.03	-0.01	99.8	3.07	-1.4	-1.0	-1.4	-1.3	-0.3	99.3	100.4	99.8
2007	3096	1856	-184	-7.7	-6.1	-0.00	0.00	100.1	3.05	-1.0	-0.7	-1.4	-0.9	-0.3	99.7	100.7	100.4
2008	3141	1935	-59	-3.2	-2.3	-0.01	-0.00	100.2	3.01	-0.2	-0.1	-0.1	-0.3	-0.3	100.3	100.3	100.7
2009	3229	1986	-1	-1.4	-0.0	-0.02	0.00	99.9	3.00	0.3	-0.2	0.5	0.1	-0.2	100.9	100.2	100.8
2010	3212	2068	81	3.8	2.5	0.01	-0.00	100.3	2.98	1.1	0.3	1.2	1.0	0.3	101.7	100.3	101.4
2011	3067	2106	94	5.1	3.1	0.02	-0.00	99.6	2.99	2.0	1.0	2.0	1.6	1.0	102.2	100.3	101.8
2012	2931	2156	202	10.2	6.8	0.03	0.00	100.1	2.97	2.4	1.9	1.8	2.0	1.5	101.6	100.4	101.3
2013	2632	2206	243	13.0	9.0	0.04	0.01	100.2	2.98	3.1	2.2	2.4	2.6	2.1	102.0	100.1	101.3
2014	2212	2254	318	14.3	11.2	0.02	0.01	100.5	2.93	4.1	2.4	3.5	3.7	2.2	102.7	99.2	101.7

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.

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**Ontario**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	670	1626	-476	-23.1	-17.6	-0.05	-0.02	99.8	3.13	-2.8	-2.4	-2.0	-2.9	-0.6	98.6	100.5	100.1
2005	589	1727	-318	-16.0	-12.4	-0.04	-0.02	100.2	3.09	-2.3	-2.1	-1.6	-2.5	-0.7	99.3	100.5	100.7
2006	562	1747	-279	-15.1	-11.4	-0.05	-0.03	99.6	3.09	-1.7	-1.7	-1.3	-1.7	-0.2	99.3	100.2	100.2
2007	535	1802	-201	-11.3	-8.0	-0.04	-0.01	100.0	3.08	-1.6	-1.3	-1.6	-1.5	-0.1	99.3	100.6	100.5
2008	557	1874	-107	-7.2	-4.5	-0.04	-0.01	100.3	3.04	-0.7	-0.7	-0.4	-0.9	-0.1	99.9	100.0	101.0
2009	575	1901	-118	-6.7	-4.5	-0.02	-0.01	100.5	3.02	-0.5	-0.8	-0.4	-0.5	-0.2	100.5	100.4	100.9
2010	489	1973	-24	-2.7	-0.4	-0.02	0.01	100.3	3.01	0.2	-0.4	0.3	-0.0	0.2	101.0	100.1	101.5
2011	437	2013	5	-0.7	0.0	-0.01	-0.00	100.2	3.00	0.9	0.4	1.0	0.7	0.5	101.3	100.4	101.8
2012	451	2091	140	3.9	4.2	-0.02	-0.01	100.4	3.00	1.7	1.2	1.6	1.4	0.9	101.5	100.5	101.9
2013	403	2106	144	4.0	4.9	-0.02	-0.00	100.2	3.01	2.3	1.6	1.8	1.8	1.5	101.6	100.2	102.0
2014	329	2161	244	8.4	7.9	-0.02	-0.00	100.4	2.97	3.1	2.2	2.4	2.7	1.9	101.7	99.4	101.9

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.

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**Manitoba**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	39	1697	-374	-16.4	-12.6	-0.01	-0.00	101.2	3.10	-2.7	-2.5	-1.8	-2.7	-1.7	98.5	100.0	99.3
2005	35	1688	-268	-16.0	-10.6	-0.07	-0.02	100.9	3.09	-3.2	-2.5	-2.8	-3.0	-1.3	98.3	99.3	99.8
2006	48	1743	-274	-14.0	-11.2	-0.04	-0.02	100.4	3.08	-2.4	-1.9	-1.6	-2.6	-0.9	98.9	100.9	100.5
2007	23	1823	-203	-8.1	-7.1	-0.00	-0.00	102.3	3.06	-1.4	-0.8	-2.5	-1.0	0.6	98.9	100.8	101.2
2008	27	1858	-184	-7.6	-6.9	-0.00	-0.01	101.2	3.04	-0.3	-0.7	-0.6	-0.3	0.7	99.9	99.9	100.8
2009	27	1965	3	-0.7	0.5	-0.01	0.01	100.3	2.97	-0.8	-1.2	-0.2	-1.0	-1.8	100.7	100.1	101.5
2010	23	2027	16	0.7	0.5	0.00	0.00	100.7	2.98	0.7	-0.7	1.1	1.0	-0.0	101.5	100.0	101.3
2011	24	2165	279	11.9	8.4	0.01	-0.01	101.1	2.96	0.5	-0.5	0.2	0.9	-0.3	102.0	100.8	102.6
2012	25	2100	42	1.9	-1.1	0.01	-0.03	100.6	2.94	3.8	2.4	2.7	3.5	1.7	103.0	100.0	103.0
2013	19	2052	-57	-1.5	-0.7	0.01	0.02	100.6	2.98	1.8	0.4	0.9	2.3	0.5	102.0	101.2	103.3
2014	22	2163	128	7.5	5.7	0.03	0.02	100.3	2.95	3.4	1.4	2.7	3.2	1.9	102.5	99.6	101.8

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.

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**Saskatchewan**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	1	1434	-1167	-58.0	-35.0	-0.16	0.06	104.0	3.24	-1.0	-3.0	1.0	-3.0	2.0	99.0	105.0	99.0
2005	2	1400	-1030	-55.0	-35.5	-0.20	-0.01	100.0	3.14	-1.0	-2.5	2.0	-3.0	2.5	99.5	101.5	98.0
2006	1	1972	-428	-11.0	-9.0	0.10	0.07	106.0	2.71	0.0	-6.0	0.0	1.0	-3.0	104.0	102.0	99.0
2007	1	1666	-513	-20.0	-26.0	0.01	-0.12	106.0	2.91	1.0	2.0	-1.0	0.0	2.0	100.0	101.0	102.0
2008	5	1637	-439	-26.4	-18.8	-0.11	-0.05	103.4	3.07	-4.4	-4.2	-1.6	-5.4	-2.6	99.4	103.8	98.5

**Notes:**

1. Based on all cows with both production and type indexes.
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**Alberta**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	57	1564	-675	-31.3	-23.6	-0.05	-0.01	102.0	3.08	-2.8	-3.1	-2.7	-2.7	-0.5	99.5	101.2	99.5
2005	41	1589	-524	-30.2	-22.2	-0.12	-0.06	104.0	3.05	-3.1	-3.2	-2.3	-3.0	-2.0	99.7	101.5	100.1
2006	47	1623	-621	-23.6	-18.8	0.03	0.03	102.7	3.09	-3.0	-3.1	-2.6	-2.9	-0.7	98.9	101.0	99.2
2007	44	1618	-460	-24.2	-18.3	-0.08	-0.04	101.0	3.11	-2.7	-2.3	-2.6	-2.4	-0.7	98.3	101.1	100.3
2008	36	1560	-578	-30.3	-22.4	-0.09	-0.04	103.0	3.05	-2.5	-2.5	-2.1	-2.4	-1.4	99.0	99.7	99.8
2009	33	1836	-218	-8.8	-7.4	0.00	0.00	102.3	3.03	-1.2	-1.2	-1.1	-1.3	-0.2	99.8	100.5	101.1
2010	37	1903	-176	-8.5	-4.7	-0.02	0.02	101.3	3.02	-0.5	-1.4	-0.1	-0.7	-0.1	100.8	100.9	100.4
2011	48	1715	-426	-22.6	-16.8	-0.07	-0.03	103.0	3.04	-0.7	-1.7	-0.6	-0.9	0.5	100.8	99.8	101.0
2012	37	1757	-408	-19.0	-13.7	-0.03	0.00	102.9	3.02	-0.9	-1.4	-1.1	-0.9	-0.1	100.5	101.0	101.5
2013	34	1945	-152	-6.3	-4.0	-0.00	0.02	102.5	3.00	0.2	-0.3	0.7	-0.3	0.1	101.3	100.9	101.9
2014	22	1829	-322	-14.8	-10.3	-0.02	0.01	103.4	3.03	-0.1	-1.6	-0.4	-0.3	0.9	100.5	101.7	100.6

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.



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**British Columbia**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	74	1634	-395	-23.5	-17.7	-0.10	-0.06	103.2	3.12	-3.6	-3.1	-2.7	-3.7	-1.4	98.8	101.8	100.7
2005	67	1661	-372	-18.6	-16.0	-0.05	-0.04	103.6	3.07	-3.5	-2.6	-2.4	-4.2	-1.2	98.3	101.7	99.3
2006	57	1742	-303	-16.7	-12.8	-0.06	-0.03	103.0	3.06	-2.7	-2.4	-2.3	-2.7	-1.3	99.0	102.4	99.8
2007	66	1806	-204	-12.5	-8.0	-0.05	-0.01	101.9	3.09	-2.2	-1.5	-2.1	-2.6	-1.0	99.2	102.2	101.1
2008	70	1887	-62	-4.8	-3.6	-0.03	-0.02	102.8	3.02	-1.8	-1.1	-1.3	-2.3	-0.5	99.7	101.2	101.9
2009	90	1838	-197	-9.6	-6.7	-0.02	0.00	102.3	3.05	-0.9	-1.2	-0.3	-1.1	-0.9	99.3	100.2	100.3
2010	71	1929	-63	-3.6	-4.5	-0.01	-0.03	101.8	3.04	-0.2	-0.3	-0.0	-0.6	-0.2	100.2	101.2	102.0
2011	70	2014	60	1.4	0.3	-0.01	-0.02	101.2	3.04	0.9	0.8	0.6	0.6	1.3	100.6	100.7	101.7
2012	90	1999	16	-0.9	-2.7	-0.02	-0.04	101.1	3.02	1.4	0.6	0.4	1.5	1.1	101.1	100.6	101.4
2013	72	2137	179	10.9	5.7	0.05	-0.00	101.6	3.01	1.4	0.5	1.2	1.2	1.5	101.4	100.7	101.4
2014	79	2163	234	11.2	7.3	0.02	-0.01	102.0	2.95	2.1	0.8	1.9	1.6	1.8	102.2	99.5	101.0

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.

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**Newfoundland**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2008	1	1798	-47	0.0	-1.0	0.03	0.00	103.0	2.97	-1.0	0.0	-1.0	-2.0	-1.0	97.0	96.0	96.0

**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.