

Provincial genetic trends by birth year for Ayrshire cows
Canadian Dairy Network, August 2016

Prince Edward Island

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2003	86	1615	-482	-22.7	-17.6	-0.04	-0.02	99.3	3.14	-2.0	-2.1	-1.3	-2.2	0.1	99.2	100.9	100.0
2004	54	1600	-657	-25.8	-21.4	0.01	0.01	99.9	3.12	-1.0	-2.1	-1.0	-0.9	1.2	99.5	101.2	99.4
2005	55	1660	-521	-19.3	-16.8	0.03	0.01	99.4	3.08	-1.4	-1.7	-1.4	-1.4	0.8	99.7	101.3	99.5
2006	62	1696	-293	-15.6	-12.9	-0.05	-0.04	100.4	3.13	-0.5	-0.6	-1.3	-0.5	1.6	98.8	100.2	99.8
2007	64	1798	-320	-10.2	-9.8	0.04	0.02	99.9	3.06	0.9	0.5	-0.8	1.2	1.8	99.9	100.5	99.6
2008	42	1806	-325	-11.9	-8.4	0.02	0.04	99.4	3.11	2.1	1.8	0.1	2.2	3.3	99.4	100.0	98.5
2009	45	1882	-196	-7.1	-4.6	0.02	0.03	99.9	3.07	2.2	1.8	0.6	2.3	2.4	100.1	99.9	99.4
2010	53	1895	-198	-7.0	-7.0	0.01	-0.00	100.2	3.10	3.0	2.3	1.3	2.8	3.0	100.5	100.9	100.9
2011	57	2041	14	3.4	1.4	0.04	0.01	100.1	3.04	3.9	3.1	2.1	3.5	3.5	101.2	100.4	99.9
2012	62	1987	-59	-1.0	-2.4	0.02	-0.00	99.0	3.08	4.2	3.7	2.4	3.9	3.8	100.7	100.8	99.6
2013	27	2159	149	7.4	6.1	0.02	0.01	99.6	3.03	5.7	4.4	3.5	5.5	4.5	102.0	100.8	100.1

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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Nova Scotia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2003	64	1555	-562	-26.8	-21.0	-0.06	-0.03	100.4	3.13	-1.8	-2.4	-1.6	-1.6	0.7	98.9	100.1	100.4
2004	74	1567	-618	-27.5	-20.5	-0.03	0.01	100.5	3.14	-1.9	-2.6	-1.6	-1.7	-0.2	99.1	100.5	101.5
2005	76	1643	-461	-19.8	-18.2	-0.02	-0.03	102.0	3.11	-1.7	-1.5	-1.5	-1.4	-0.2	99.2	101.2	101.5
2006	89	1684	-422	-20.2	-15.5	-0.04	-0.02	101.8	3.08	-0.8	-1.1	-0.4	-0.9	0.7	99.8	100.7	100.4
2007	71	1710	-439	-19.7	-14.6	-0.03	0.00	101.2	3.12	-0.5	-1.3	-0.6	-0.3	0.9	100.2	101.0	101.6
2008	52	1783	-398	-13.9	-13.3	0.03	0.00	101.3	3.09	1.3	0.3	1.1	0.7	2.4	100.6	100.7	101.0
2009	54	1779	-296	-14.2	-10.8	-0.03	-0.01	101.4	3.07	1.1	1.2	0.1	0.7	1.7	100.1	100.4	100.9
2010	59	1861	-228	-7.8	-8.2	0.02	-0.00	102.6	3.04	1.9	0.7	1.3	1.5	2.3	100.8	99.7	100.7
2011	64	1888	-265	-6.6	-8.9	0.06	0.00	101.8	3.03	1.4	0.7	0.8	1.7	1.9	101.1	101.8	102.1
2012	44	2000	-57	-2.1	-3.3	0.00	-0.02	102.5	3.02	3.0	2.2	2.0	3.0	1.4	102.0	101.5	103.0
2013	25	1965	4	-2.7	-1.1	-0.04	-0.02	99.6	3.02	3.0	2.5	2.2	2.2	3.3	101.0	100.0	99.5

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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New Brunswick

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2003	102	1592	-481	-24.2	-19.4	-0.06	-0.04	101.3	3.08	-3.3	-2.8	-2.5	-3.2	-1.2	99.5	101.7	100.7
2004	95	1666	-388	-18.6	-14.8	-0.04	-0.02	102.0	3.09	-2.0	-2.1	-2.1	-1.8	-0.4	99.5	100.7	99.8
2005	109	1611	-537	-23.3	-18.1	-0.02	0.00	102.7	3.06	-3.2	-3.4	-2.2	-2.9	-1.6	99.8	100.9	101.0
2006	122	1716	-332	-15.8	-13.0	-0.03	-0.02	102.1	3.07	-1.7	-1.8	-1.8	-1.3	-0.2	99.6	101.3	100.3
2007	146	1751	-366	-12.4	-11.7	0.04	0.01	102.5	3.06	-1.7	-2.1	-2.0	-1.3	-0.1	100.0	101.3	100.6
2008	130	1808	-295	-7.3	-8.2	0.07	0.03	101.6	3.01	-1.2	-1.1	-1.7	-1.1	0.3	99.9	101.5	100.6
2009	152	1900	-81	-2.4	-2.0	0.02	0.01	102.0	3.01	-0.7	-0.9	-0.6	-0.5	-0.3	100.5	100.8	100.5
2010	127	1955	-85	0.2	-1.0	0.05	0.03	101.9	3.00	0.3	-0.2	0.3	0.3	0.2	101.0	100.8	101.4
2011	140	1962	-46	-0.9	-1.1	0.02	0.01	101.5	2.97	1.4	0.7	1.7	0.9	0.9	101.6	99.8	100.7
2012	142	2047	50	4.8	2.2	0.04	0.01	101.9	2.99	2.5	1.9	1.8	2.1	2.2	101.4	100.7	100.6
2013	78	2086	128	6.6	4.7	0.02	0.01	100.5	3.00	3.5	2.9	2.3	3.1	2.4	101.3	100.6	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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Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2003	3433	1649	-379	-19.1	-15.5	-0.05	-0.03	99.7	3.08	-2.4	-2.3	-1.8	-2.4	-1.0	99.4	100.9	100.4
2004	3427	1676	-331	-17.0	-12.7	-0.05	-0.02	99.6	3.09	-2.0	-1.8	-1.4	-2.1	-0.4	99.1	100.4	100.3
2005	3294	1761	-234	-10.1	-8.7	-0.01	-0.01	100.0	3.07	-1.6	-1.4	-1.3	-1.7	-0.3	99.5	100.5	100.5
2006	3152	1796	-186	-9.0	-7.3	-0.02	-0.01	99.7	3.06	-0.9	-0.7	-1.0	-0.9	-0.0	99.7	100.7	100.0
2007	3086	1860	-134	-5.1	-4.4	0.01	0.00	100.2	3.04	-0.5	-0.4	-1.0	-0.4	0.1	100.1	101.0	100.6
2008	3128	1941	-6	-0.5	-0.5	-0.00	-0.00	100.2	3.00	0.3	0.1	0.2	0.2	0.1	100.7	100.6	101.0
2009	3206	1992	48	1.2	1.8	-0.01	0.00	100.0	3.00	0.8	0.1	1.0	0.5	0.2	101.4	100.6	101.1
2010	3192	2077	141	6.7	4.6	0.02	-0.00	100.3	2.97	1.6	0.6	1.6	1.4	0.6	102.1	100.7	101.6
2011	3026	2114	154	8.1	5.2	0.03	0.00	99.6	2.98	2.5	1.3	2.5	2.0	1.3	102.5	100.8	101.8
2012	2863	2167	260	13.1	8.8	0.04	0.00	100.0	2.96	2.9	2.2	2.3	2.4	1.8	102.1	101.1	101.3
2013	2154	2209	290	15.3	10.6	0.05	0.01	100.0	2.96	3.7	2.6	2.9	3.1	2.5	102.4	100.7	101.2

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
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Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2003	664	1628	-391	-19.7	-16.2	-0.05	-0.04	100.2	3.10	-2.8	-2.5	-2.0	-2.8	-0.9	99.1	101.0	100.8
2004	670	1628	-432	-20.6	-16.1	-0.04	-0.02	99.8	3.12	-2.3	-2.1	-1.6	-2.4	-0.2	99.0	100.8	100.6
2005	588	1733	-270	-13.4	-10.7	-0.03	-0.02	100.2	3.08	-1.9	-1.8	-1.2	-2.0	-0.4	99.7	100.8	101.1
2006	562	1748	-233	-12.5	-9.8	-0.04	-0.03	99.6	3.08	-1.3	-1.4	-0.9	-1.3	0.1	99.6	100.5	100.6
2007	535	1804	-153	-8.7	-6.2	-0.03	-0.01	100.0	3.07	-1.1	-1.0	-1.2	-1.1	0.2	99.7	100.8	101.1
2008	554	1880	-55	-4.4	-2.6	-0.03	-0.01	100.2	3.04	-0.2	-0.4	-0.0	-0.4	0.2	100.3	100.4	101.5
2009	575	1905	-73	-4.1	-2.8	-0.01	-0.00	100.6	3.01	-0.0	-0.5	0.1	-0.0	0.2	101.0	100.8	101.3
2010	486	1981	32	0.3	1.5	-0.01	0.01	100.4	3.00	0.6	-0.1	0.7	0.5	0.5	101.4	100.5	102.1
2011	432	2021	73	2.6	2.3	-0.00	-0.00	100.3	2.99	1.4	0.7	1.4	1.1	0.9	101.6	100.8	102.0
2012	438	2096	196	6.6	6.1	-0.02	-0.01	100.3	2.99	2.2	1.5	2.0	1.8	1.2	101.8	101.0	102.3
2013	299	2125	210	7.3	7.1	-0.01	0.00	100.0	2.99	3.0	2.3	2.5	2.5	2.1	102.1	100.9	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.
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Manitoba

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2003	44	1669	-380	-17.2	-15.2	-0.03	-0.03	101.8	3.06	-2.7	-3.3	-3.3	-1.8	-1.0	99.8	101.1	100.9
2004	39	1681	-331	-13.9	-11.1	-0.01	0.00	101.2	3.09	-2.3	-2.1	-1.5	-2.3	-1.4	98.6	99.7	99.8
2005	35	1684	-225	-13.5	-8.9	-0.06	-0.02	100.9	3.09	-2.9	-2.3	-2.5	-2.6	-0.9	98.6	99.5	100.5
2006	48	1739	-231	-11.5	-9.6	-0.03	-0.02	100.3	3.07	-1.9	-1.6	-1.4	-2.1	-0.5	99.2	101.1	100.8
2007	23	1813	-170	-6.3	-6.0	0.01	-0.00	102.3	3.06	-0.9	-0.5	-2.2	-0.5	0.9	99.3	100.8	101.9
2008	27	1856	-153	-5.6	-5.6	0.01	-0.00	101.3	3.03	0.3	-0.4	-0.2	0.0	1.1	100.2	100.5	101.3
2009	27	1967	36	1.6	1.9	0.01	0.01	100.1	2.96	-0.3	-1.0	0.2	-0.4	-1.4	101.3	100.4	101.6
2010	23	2029	63	4.1	2.2	0.02	0.00	101.0	2.96	1.3	-0.5	1.6	1.4	0.3	101.9	100.1	101.5
2011	24	2161	360	14.0	11.0	-0.01	-0.02	101.2	2.94	0.9	-0.1	0.5	1.2	0.0	102.2	101.0	102.5
2012	24	2122	124	6.4	2.0	0.02	-0.03	100.8	2.94	4.2	2.5	3.1	3.9	1.8	103.1	100.6	102.4
2013	19	2046	-1	0.8	1.1	0.01	0.01	100.3	2.97	2.3	0.9	1.4	2.7	0.9	102.2	101.5	102.9

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
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Saskatchewan

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2003	8	1517	-936	-34.1	-26.4	0.06	0.08	100.4	3.18	-1.3	-1.6	-0.8	-1.9	1.4	98.9	102.1	98.6
2004	1	1502	-1104	-55.0	-33.0	-0.15	0.06	104.0	3.23	-1.0	-2.0	2.0	-2.0	2.0	100.0	107.0	101.0
2005	2	1415	-978	-52.0	-33.5	-0.19	-0.01	100.0	3.13	0.0	-2.0	2.0	-2.5	3.0	100.0	102.0	100.0
2007	1	1626	-459	-17.0	-25.0	0.01	-0.12	106.0	2.91	1.0	3.0	-1.0	0.0	2.0	100.0	100.0	102.0
2008	5	1628	-388	-23.4	-17.0	-0.11	-0.05	103.4	3.07	-4.0	-3.8	-1.4	-5.4	-2.0	99.4	104.0	99.8

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
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Alberta

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2003	50	1399	-814	-41.3	-30.9	-0.12	-0.05	102.7	3.14	-4.4	-4.6	-3.7	-4.2	-1.4	98.9	102.8	100.2
2004	57	1569	-635	-28.9	-22.1	-0.05	-0.01	102.1	3.07	-2.3	-2.8	-2.2	-2.3	-0.2	99.8	101.6	100.0
2005	41	1590	-481	-27.7	-20.7	-0.12	-0.06	104.0	3.04	-2.5	-3.1	-2.0	-2.6	-1.7	100.0	101.7	100.0
2006	47	1631	-577	-21.2	-17.4	0.03	0.03	102.7	3.08	-2.6	-2.9	-2.2	-2.4	-0.3	99.5	101.5	99.6
2007	44	1638	-416	-21.8	-16.8	-0.07	-0.04	101.0	3.09	-2.3	-2.1	-2.2	-2.0	-0.2	99.0	102.5	100.6
2008	36	1561	-539	-27.8	-21.0	-0.08	-0.03	102.9	3.04	-2.1	-2.2	-1.7	-2.0	-1.0	99.5	100.1	99.8
2009	33	1862	-172	-5.9	-5.6	0.01	0.00	102.4	3.02	-0.6	-0.9	-0.8	-0.7	0.0	100.7	101.7	101.6
2010	37	1918	-146	-6.2	-3.5	-0.00	0.02	101.0	3.01	0.0	-1.1	0.5	-0.2	0.3	101.6	101.8	101.3
2011	48	1727	-382	-19.5	-15.1	-0.06	-0.03	102.9	3.02	-0.3	-1.4	-0.2	-0.6	1.0	101.3	101.0	101.6
2012	34	1803	-287	-13.9	-9.8	-0.03	0.00	102.7	3.00	-0.4	-0.9	-0.6	-0.5	0.1	101.1	102.2	100.9
2013	26	2092	112	7.5	3.5	0.04	-0.00	102.8	2.97	1.8	0.8	2.0	1.1	1.1	102.3	101.9	102.7

Notes:

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2. Production in kg EBV units and conformation in EBV points.
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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
2003	91	1631	-448	-25.0	-17.4	-0.09	-0.03	102.3	3.08	-3.3	-3.4	-2.2	-3.4	-2.3	99.8	102.7	101.7
2004	74	1643	-353	-21.0	-16.2	-0.09	-0.06	103.2	3.12	-3.1	-2.8	-2.4	-3.3	-0.9	99.1	102.3	101.6
2005	67	1668	-330	-16.3	-14.5	-0.04	-0.04	103.6	3.07	-3.0	-2.3	-2.1	-3.7	-0.9	98.8	102.2	99.7
2006	57	1738	-268	-14.3	-11.3	-0.05	-0.03	102.9	3.05	-2.2	-2.1	-2.0	-2.3	-0.9	99.4	102.5	100.0
2007	65	1816	-150	-9.4	-6.1	-0.04	-0.01	101.9	3.08	-1.7	-1.2	-1.7	-2.2	-0.6	99.7	102.5	101.1
2008	70	1893	-14	-2.4	-2.0	-0.02	-0.02	102.9	3.02	-1.5	-0.8	-0.9	-1.8	-0.2	100.1	101.7	102.3
2009	90	1838	-158	-7.4	-5.3	-0.01	0.00	102.4	3.04	-0.4	-0.8	0.1	-0.6	-0.5	99.7	100.5	100.8
2010	71	1928	-21	-1.4	-2.8	-0.01	-0.03	101.8	3.04	0.4	-0.0	0.3	-0.0	0.2	100.5	101.5	102.1
2011	69	2019	106	3.6	2.0	-0.01	-0.02	101.2	3.02	1.4	1.1	1.0	1.0	1.6	101.0	101.2	101.6
2012	86	2003	70	2.8	-1.1	0.00	-0.04	101.5	3.00	2.0	1.1	0.8	1.9	1.6	101.4	100.9	100.9
2013	66	2136	279	14.3	8.5	0.04	-0.01	101.9	2.98	1.9	1.1	1.5	1.6	2.0	101.3	101.1	101.4

Notes:

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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	1771	-5	3.0	0.0	0.04	0.01	103.0	2.96	-1.0	0.0	-1.0	-2.0	-1.0	97.0	96.0	95.0

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.