

Provincial genetic trends by birth year for Ayrshire cows
Canadian Dairy Network, August 2014

Prince Edward Island

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2001	104	1460	-457	-20.0	-17.3	-0.02	-0.02	102.5	3.12	-2.6	-2.8	-1.4	-2.4	-0.3	99.0	102.0	100.8
2002	99	1633	-268	-11.1	-10.1	-0.00	-0.01	102.4	3.04	-1.1	-1.2	-1.3	-1.0	0.1	100.4	102.0	100.7
2003	86	1589	-303	-13.9	-11.3	-0.02	-0.01	101.8	3.07	-0.9	-1.2	-0.1	-1.1	0.6	99.8	100.6	99.5
2004	53	1603	-460	-16.5	-14.5	0.03	0.02	102.4	3.04	0.2	-1.3	0.1	0.2	1.7	100.1	101.0	98.6
2005	55	1655	-323	-10.5	-10.1	0.04	0.01	101.2	3.00	-0.2	-0.7	-0.3	-0.3	1.2	100.5	101.2	99.3
2006	62	1710	-116	-6.7	-6.5	-0.03	-0.03	102.5	3.06	0.8	0.5	-0.4	0.7	2.1	99.7	100.2	99.9
2007	64	1838	-136	-1.8	-3.2	0.05	0.02	101.6	3.00	2.4	1.4	0.5	2.6	2.2	100.8	100.3	99.8
2008	42	1874	-149	-3.7	-2.5	0.03	0.04	101.3	3.03	3.9	2.7	1.5	3.8	3.8	101.0	100.0	98.6
2009	43	1953	-24	1.7	1.5	0.04	0.03	101.5	3.01	4.1	3.0	2.2	3.8	2.8	101.2	99.8	99.0
2010	48	1982	28	3.6	1.1	0.03	0.00	101.8	3.04	4.8	3.5	2.8	4.5	3.4	101.4	100.1	99.8
2011	33	2161	207	12.9	8.5	0.06	0.03	101.6	3.01	6.3	4.7	4.4	5.6	4.0	102.1	100.5	99.1

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
2001	73	1445	-510	-22.2	-17.7	-0.02	-0.01	102.9	3.11	-1.8	-1.8	-1.5	-1.9	0.4	98.6	100.3	101.7
2002	71	1503	-367	-16.6	-14.7	-0.03	-0.03	102.2	3.03	-1.6	-1.1	-1.9	-1.5	0.6	98.9	99.9	100.5
2003	64	1527	-414	-19.6	-15.2	-0.04	-0.02	102.2	3.06	-0.6	-1.4	-0.6	-0.4	1.4	99.5	99.7	99.7
2004	74	1551	-437	-18.7	-14.1	-0.01	0.01	103.4	3.06	-0.7	-1.6	-0.6	-0.6	0.4	99.3	100.0	101.0
2005	76	1655	-271	-10.3	-11.1	0.01	-0.03	104.1	3.02	-0.5	-0.6	-0.4	-0.2	0.4	99.9	100.8	101.0
2006	88	1679	-308	-13.6	-10.6	-0.01	-0.00	104.0	3.01	0.6	-0.0	0.8	0.4	1.2	100.3	100.5	100.0
2007	68	1704	-295	-11.9	-9.2	0.00	0.01	103.5	3.05	0.9	-0.3	0.6	0.9	1.4	100.6	100.6	101.1
2008	52	1829	-235	-6.0	-7.4	0.05	0.01	103.5	3.00	2.9	1.3	2.5	2.3	3.1	102.0	100.4	100.3
2009	52	1790	-177	-7.5	-6.2	-0.00	-0.00	102.8	3.00	2.3	2.0	1.4	1.9	2.2	100.8	100.3	100.2
2010	56	1926	-115	-0.1	-2.6	0.06	0.02	104.9	2.97	3.6	1.9	2.8	2.9	3.0	101.5	99.7	100.1
2011	33	1929	-124	0.2	-2.9	0.07	0.02	104.5	2.96	2.8	1.2	2.1	3.0	1.9	102.2	102.5	102.8

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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New Brunswick

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2001	118	1446	-371	-18.6	-14.7	-0.05	-0.03	103.1	3.04	-3.8	-3.0	-2.7	-3.7	-1.2	98.8	101.4	100.6
2002	110	1518	-277	-16.1	-12.3	-0.07	-0.04	103.7	3.03	-2.8	-1.9	-2.8	-2.5	-0.4	99.1	101.4	100.0
2003	101	1526	-342	-17.0	-13.9	-0.04	-0.03	102.8	3.00	-2.4	-1.9	-1.5	-2.2	-0.7	99.7	101.2	100.2
2004	95	1631	-267	-12.0	-9.8	-0.01	-0.01	103.5	3.01	-0.8	-1.2	-1.0	-0.6	0.1	100.1	100.4	99.4
2005	106	1555	-460	-17.5	-14.1	0.02	0.02	104.7	2.95	-2.2	-2.5	-1.2	-1.9	-1.1	100.2	100.6	100.5
2006	121	1687	-233	-9.6	-8.7	-0.00	-0.01	103.9	2.98	-0.4	-0.7	-0.6	-0.1	0.3	100.6	100.8	100.2
2007	143	1719	-265	-6.8	-7.4	0.06	0.02	104.2	2.98	-0.4	-1.1	-0.9	-0.1	0.4	100.5	101.0	100.4
2008	130	1803	-191	-1.8	-3.8	0.09	0.04	103.3	2.93	0.3	-0.0	-0.3	0.2	0.9	101.1	101.2	100.7
2009	148	1894	13	2.8	1.6	0.03	0.02	103.9	2.91	0.7	0.2	0.6	0.8	0.4	101.0	100.5	100.0
2010	123	1955	17	5.2	2.7	0.07	0.03	103.4	2.92	1.9	1.0	1.9	1.7	0.8	101.6	100.2	100.9
2011	67	1981	37	3.2	2.5	0.02	0.02	102.1	2.91	3.2	1.5	3.4	2.4	1.5	102.8	100.0	100.3

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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Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2001	3535	1479	-303	-15.9	-12.8	-0.05	-0.03	100.4	3.11	-2.7	-2.6	-1.8	-2.6	-0.8	98.8	100.8	100.8
2002	3567	1574	-223	-12.4	-9.1	-0.05	-0.02	100.2	3.06	-1.8	-1.2	-1.5	-1.8	-0.2	99.7	101.1	100.5
2003	3427	1586	-222	-11.9	-9.5	-0.04	-0.03	99.7	3.04	-1.2	-1.4	-0.8	-1.2	-0.4	99.9	100.5	100.0
2004	3415	1628	-177	-10.1	-7.0	-0.04	-0.01	99.4	3.05	-0.7	-0.9	-0.3	-0.9	0.2	100.0	100.0	99.9
2005	3284	1727	-74	-3.0	-2.7	0.00	-0.00	99.9	3.04	-0.3	-0.4	-0.2	-0.4	0.3	100.3	100.2	100.2
2006	3133	1771	-31	-2.0	-1.5	-0.01	-0.01	99.5	3.02	0.5	0.4	0.2	0.5	0.5	100.6	100.3	99.8
2007	3058	1842	21	1.8	1.3	0.01	0.01	99.7	3.01	1.0	0.6	0.2	1.0	0.7	101.1	100.7	100.5
2008	3086	1945	151	6.4	5.3	0.01	0.00	99.8	2.96	1.9	1.2	1.6	1.5	0.7	101.9	100.5	100.7
2009	3135	1987	197	7.8	7.2	0.00	0.01	99.4	2.97	2.4	1.2	2.4	2.0	0.7	102.2	100.3	100.6
2010	3078	2091	289	13.4	10.1	0.03	0.01	99.6	2.94	3.4	1.8	3.2	2.9	1.2	103.0	100.5	101.1
2011	2420	2135	299	14.6	10.5	0.04	0.01	99.4	2.95	4.3	2.5	4.2	3.5	1.9	103.5	100.7	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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Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2001	749	1507	-252	-13.2	-11.5	-0.04	-0.04	101.5	3.07	-3.1	-2.7	-2.0	-3.1	-0.8	98.9	100.9	100.9
2002	769	1594	-175	-11.2	-8.9	-0.06	-0.04	101.7	3.04	-1.8	-1.5	-1.6	-1.7	-0.2	99.8	101.0	101.0
2003	662	1591	-198	-11.1	-9.4	-0.04	-0.04	101.3	3.03	-1.6	-1.5	-1.0	-1.7	-0.3	99.7	100.7	100.4
2004	668	1589	-247	-12.6	-9.6	-0.04	-0.02	100.7	3.06	-1.1	-1.2	-0.6	-1.3	0.3	99.7	100.4	100.2
2005	586	1707	-87	-5.2	-4.3	-0.02	-0.02	100.9	3.03	-0.5	-0.8	-0.1	-0.8	0.2	100.5	100.5	100.7
2006	558	1741	-36	-3.9	-2.8	-0.03	-0.02	100.4	3.02	0.1	-0.3	0.3	-0.1	0.7	100.5	100.2	100.2
2007	532	1797	34	-0.4	0.4	-0.02	-0.01	100.4	3.02	0.2	0.0	-0.1	0.1	0.8	100.7	100.6	100.8
2008	551	1898	133	3.8	3.9	-0.02	-0.01	100.7	2.98	1.2	0.6	1.3	0.8	0.7	101.5	100.4	101.1
2009	556	1916	112	3.8	3.7	-0.01	-0.00	101.1	2.96	1.4	0.6	1.3	1.3	0.8	101.8	100.5	100.8
2010	455	2004	227	8.5	8.1	-0.01	0.01	100.8	2.96	2.1	1.1	2.0	1.8	1.1	102.3	100.5	101.6
2011	315	2037	212	9.5	7.3	0.01	0.00	100.7	2.95	3.0	1.9	2.9	2.4	1.5	102.5	101.0	101.5

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
2001	44	1560	-190	-10.0	-9.4	-0.03	-0.04	103.2	3.03	-2.5	-2.3	-2.2	-2.4	-0.4	98.5	100.3	100.3
2002	38	1561	-251	-11.8	-9.3	-0.02	-0.01	102.0	3.06	-2.5	-2.0	-2.6	-1.9	-0.6	99.4	100.7	101.1
2003	44	1647	-169	-8.0	-7.8	-0.02	-0.03	103.2	2.96	-1.6	-2.3	-2.5	-0.7	-0.4	100.1	100.6	100.6
2004	39	1671	-158	-6.3	-5.3	0.00	0.00	102.3	3.00	-1.0	-1.1	-0.4	-1.0	-0.9	99.4	99.3	99.7
2005	35	1666	-63	-5.6	-3.2	-0.04	-0.02	101.9	3.01	-1.7	-1.3	-1.5	-1.4	-0.3	99.7	99.3	100.2
2006	48	1733	-54	-3.7	-3.5	-0.02	-0.02	101.3	2.98	-0.6	-0.7	-0.2	-0.8	0.1	100.6	100.8	100.7
2007	22	1798	-58	-0.3	-0.6	0.02	0.02	102.5	2.98	0.0	0.1	-1.5	0.5	1.5	100.5	100.6	101.4
2008	27	1883	20	1.6	0.7	0.01	0.00	102.1	2.95	1.8	0.7	1.1	1.7	1.6	101.5	100.1	100.9
2009	27	2001	240	10.0	9.0	0.01	0.01	101.3	2.87	1.0	0.0	1.4	0.9	-0.9	102.2	100.2	100.8
2010	19	2050	215	9.9	7.9	0.02	0.01	100.7	2.89	2.9	0.6	2.7	2.8	1.3	103.3	99.7	100.6
2011	20	2146	425	18.6	14.0	0.02	-0.00	100.7	2.86	2.1	0.4	1.3	2.3	0.8	104.0	101.5	102.8

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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Saskatchewan

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2001	35	1521	-450	-17.4	-16.6	0.01	-0.02	104.3	3.05	-2.0	-2.2	-1.1	-1.9	-0.5	99.2	101.5	100.0
2002	15	1422	-556	-23.8	-19.6	-0.02	-0.01	103.0	3.10	-1.9	-1.5	-1.4	-2.0	0.6	98.3	100.7	98.6
2003	8	1484	-782	-27.1	-21.5	0.06	0.07	104.0	3.10	0.1	-1.1	0.4	-0.9	2.1	99.4	101.6	98.5
2004	1	1418	-1040	-48.0	-30.0	-0.09	0.08	108.0	3.16	1.0	-1.0	3.0	-1.0	2.0	99.0	106.0	101.0
2005	2	1376	-871	-43.5	-29.0	-0.13	0.01	102.0	3.04	1.0	-0.5	4.0	-1.5	3.5	101.5	101.0	99.0
2007	1	1695	-357	-14.0	-18.0	0.01	-0.09	111.0	2.84	3.0	4.0	0.0	2.0	3.0	99.0	100.0	101.0
2008	5	1580	-218	-14.8	-11.0	-0.08	-0.05	106.4	2.99	-3.2	-2.8	0.0	-4.4	-1.8	99.2	103.3	100.0

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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Alberta

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2001	46	1355	-422	-26.2	-18.2	-0.13	-0.06	105.1	3.09	-4.7	-3.5	-2.8	-4.9	-1.7	97.7	102.2	101.6
2002	50	1329	-568	-26.2	-21.7	-0.05	-0.03	105.0	3.04	-5.0	-4.1	-3.5	-5.0	-1.3	98.7	102.3	99.4
2003	50	1310	-654	-33.0	-25.1	-0.09	-0.04	104.7	3.06	-3.5	-3.6	-2.8	-3.2	-0.9	99.1	102.3	99.3
2004	57	1510	-480	-21.5	-16.9	-0.03	-0.01	103.5	3.00	-1.2	-1.9	-1.4	-1.3	0.4	100.2	101.2	99.7
2005	41	1569	-294	-18.7	-14.0	-0.10	-0.06	105.8	2.97	-1.4	-2.1	-0.9	-1.4	-1.1	100.1	101.3	99.4
2006	49	1604	-404	-13.6	-11.8	0.04	0.03	103.9	3.02	-1.3	-1.8	-1.1	-1.1	0.1	99.7	101.3	99.2
2007	44	1607	-231	-13.4	-10.4	-0.06	-0.03	102.7	3.03	-1.2	-1.0	-1.2	-0.9	0.3	99.8	101.6	100.1
2008	39	1589	-351	-17.1	-14.0	-0.04	-0.03	103.9	2.98	-0.6	-0.9	-0.4	-0.7	-0.5	100.3	100.9	100.3
2009	36	1843	-16	1.6	-0.0	0.03	0.01	103.7	2.95	0.1	-0.3	0.4	0.0	0.2	101.0	100.4	100.8
2010	39	1909	97	3.5	4.4	-0.01	0.02	102.2	2.96	1.0	0.0	1.4	0.4	0.8	101.4	100.6	100.3
2011	39	1728	-212	-10.9	-9.0	-0.03	-0.02	104.3	2.98	1.1	-0.3	1.4	0.5	1.4	101.1	100.3	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
2001	84	1584	-186	-13.7	-10.3	-0.08	-0.05	107.7	2.95	-3.6	-2.8	-2.3	-3.7	-1.8	99.4	102.6	101.5
2002	93	1603	-145	-12.9	-8.5	-0.10	-0.05	105.8	2.98	-3.0	-2.2	-2.4	-2.9	-1.4	99.6	102.8	100.8
2003	91	1584	-288	-17.4	-11.7	-0.08	-0.03	105.3	2.96	-2.2	-2.4	-1.3	-2.3	-1.7	100.2	102.2	100.4
2004	73	1631	-179	-12.6	-9.5	-0.07	-0.05	105.5	2.99	-1.9	-1.8	-1.4	-2.1	-0.4	100.1	102.0	100.6
2005	67	1663	-171	-8.1	-8.4	-0.02	-0.03	105.9	2.95	-2.0	-1.4	-1.1	-2.7	-0.4	99.9	101.9	99.4
2006	55	1736	-103	-6.2	-5.3	-0.03	-0.02	105.0	2.94	-1.0	-1.1	-0.9	-1.2	-0.5	100.5	102.2	99.6
2007	65	1802	-1	-1.9	-0.4	-0.02	-0.00	103.2	2.98	-0.3	-0.1	-0.5	-0.8	0.0	100.7	102.0	100.7
2008	66	1890	124	4.4	3.1	-0.00	-0.01	104.3	2.92	-0.2	0.1	0.3	-0.6	0.5	101.0	101.3	101.7
2009	85	1903	50	1.2	1.6	-0.01	-0.00	104.2	2.94	1.1	0.3	1.6	0.9	0.0	101.2	100.6	100.2
2010	64	1982	176	6.5	3.9	-0.01	-0.03	103.8	2.95	2.3	1.2	2.1	1.8	1.0	101.7	100.9	101.0
2011	54	2059	281	13.0	8.6	0.03	-0.01	103.6	2.93	2.4	1.7	1.9	1.9	1.5	101.7	100.7	100.3

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.