

**Provincial genetic trends by birth year for Ayrshire cows**  
**Canadian Dairy Network, August 2018**

**Prince Edward Island**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2005	55	1655	-638	-25.8	-20.7	0.00	0.01	99.4	3.09	-2.5	-2.4	-2.2	-2.5	0.1	99.1	101.3	98.9
2006	62	1699	-401	-21.7	-16.6	-0.07	-0.04	100.5	3.15	-1.5	-1.2	-2.1	-1.5	1.0	98.3	100.4	100.1
2007	66	1802	-435	-16.4	-13.8	0.02	0.01	99.9	3.08	0.0	-0.2	-1.4	0.2	1.1	99.5	100.7	100.1
2008	43	1802	-448	-17.8	-12.1	0.01	0.04	99.5	3.12	1.0	1.1	-0.8	1.1	2.4	98.8	99.7	99.1
2009	46	1871	-333	-13.8	-9.1	0.00	0.03	99.8	3.08	1.1	1.1	-0.4	1.2	1.6	99.6	99.8	99.6
2010	53	1888	-334	-13.9	-11.4	-0.00	0.00	100.1	3.11	1.9	1.6	0.4	1.7	2.2	100.1	100.9	100.8
2011	57	2025	-136	-4.0	-3.8	0.02	0.01	100.1	3.07	2.8	2.2	1.2	2.6	2.8	100.7	100.3	100.2
2012	59	1976	-171	-6.8	-6.4	0.00	-0.01	99.6	3.10	3.1	2.7	1.3	2.8	3.0	99.9	100.2	99.9
2013	52	2112	8	0.7	0.8	0.01	0.01	99.6	3.08	4.0	3.0	1.9	4.0	3.3	100.9	99.9	100.8
2014	25	2087	-87	2.7	-1.8	0.08	0.02	99.8	3.03	3.5	3.2	1.8	3.1	3.8	100.8	100.1	100.0
2015	25	2234	212	8.8	7.3	0.00	0.00	100.6	3.02	4.7	3.6	3.1	4.5	3.9	101.8	97.8	99.3

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
2005	76	1652	-576	-26.4	-22.1	-0.04	-0.03	102.0	3.12	-2.6	-2.0	-2.1	-2.4	-0.9	98.9	101.5	100.9
2006	89	1691	-537	-26.8	-19.5	-0.06	-0.02	101.8	3.09	-1.8	-1.6	-1.1	-1.9	-0.1	99.5	101.1	100.1
2007	74	1708	-555	-26.5	-18.8	-0.05	0.00	101.2	3.14	-1.5	-2.0	-1.5	-1.3	0.4	99.8	101.1	100.8
2008	50	1784	-519	-20.9	-17.7	0.01	-0.00	101.5	3.10	0.3	-0.3	0.3	-0.3	1.7	100.2	101.1	100.8
2009	57	1799	-382	-19.1	-13.8	-0.05	-0.01	101.4	3.08	0.1	0.8	-0.6	-0.2	1.0	99.7	100.6	100.3
2010	58	1869	-339	-13.6	-11.8	0.00	-0.00	102.7	3.05	0.9	0.2	0.7	0.6	1.7	100.3	99.6	99.7
2011	65	1882	-378	-12.8	-12.7	0.04	0.00	102.1	3.05	0.4	0.3	-0.0	0.6	1.4	100.5	101.5	101.0
2012	46	1954	-255	-11.1	-9.9	-0.01	-0.02	102.4	3.05	1.6	1.3	0.9	1.8	0.5	101.3	101.2	102.0
2013	46	1930	-233	-13.9	-7.6	-0.06	0.00	99.7	3.07	2.2	2.2	1.3	1.4	2.3	100.6	100.6	100.8
2014	30	2078	-144	-3.1	-1.1	0.04	0.05	101.8	3.00	3.3	2.3	2.3	2.9	2.0	101.5	99.5	100.9
2015	35	2108	-44	-1.0	0.1	0.01	0.02	100.4	2.97	3.0	2.0	2.1	3.4	1.9	102.1	98.8	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.
3. Conformation indexes based on first lactation classifications of each cow.

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**Canadian Dairy Network, August 2018**

**New Brunswick**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2005	110	1605	-656	-30.0	-22.1	-0.04	0.00	102.8	3.07	-4.1	-3.8	-2.9	-3.7	-2.2	99.1	101.1	100.2
2006	122	1710	-445	-22.3	-16.8	-0.05	-0.02	102.1	3.08	-2.5	-2.1	-2.4	-2.3	-0.8	98.9	101.1	99.7
2007	146	1748	-484	-18.8	-15.7	0.02	0.01	102.6	3.07	-2.6	-2.5	-2.7	-2.2	-0.7	99.3	101.3	100.0
2008	132	1804	-407	-13.3	-12.0	0.05	0.02	101.8	3.02	-2.1	-1.6	-2.4	-2.0	-0.4	99.2	101.3	100.0
2009	152	1893	-192	-8.5	-6.0	-0.00	0.01	102.0	3.02	-1.7	-1.4	-1.4	-1.5	-0.9	99.8	100.5	100.0
2010	127	1947	-209	-6.4	-5.1	0.03	0.03	101.8	3.02	-0.7	-0.8	-0.5	-0.6	-0.4	100.5	100.6	100.9
2011	145	1951	-200	-8.2	-6.2	0.00	0.01	101.7	3.00	0.6	0.1	0.9	0.0	0.4	101.1	99.9	100.3
2012	142	2034	-78	-1.4	-1.8	0.03	0.01	102.3	3.00	1.5	1.4	0.9	1.2	1.6	100.7	100.1	100.1
2013	134	2069	-31	2.0	-0.8	0.05	0.01	101.3	3.01	2.2	1.7	1.4	1.7	1.8	100.7	100.0	100.4
2014	130	2117	38	3.5	2.1	0.03	0.01	101.1	2.99	2.9	2.4	2.2	2.4	1.8	101.3	99.2	100.6
2015	91	2161	54	3.2	2.3	0.01	0.01	100.6	2.96	3.4	2.2	2.9	3.1	1.9	102.3	99.9	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.
3. Conformation indexes based on first lactation classifications of each cow.

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**Canadian Dairy Network, August 2018**

**Quebec**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2005	3305	1760	-347	-16.4	-12.5	-0.03	-0.01	100.0	3.09	-2.5	-2.0	-2.0	-2.7	-1.0	99.0	100.5	100.1
2006	3159	1796	-298	-15.2	-11.1	-0.04	-0.01	99.8	3.07	-1.9	-1.2	-1.7	-1.8	-0.7	99.2	100.6	99.7
2007	3099	1858	-251	-11.3	-8.3	-0.01	0.00	100.2	3.05	-1.5	-1.0	-1.7	-1.4	-0.6	99.5	100.9	100.2
2008	3147	1933	-127	-6.9	-4.6	-0.02	-0.00	100.2	3.02	-0.6	-0.4	-0.5	-0.8	-0.6	100.1	100.4	100.7
2009	3238	1985	-69	-5.1	-2.3	-0.03	0.00	99.9	3.01	-0.2	-0.4	0.1	-0.5	-0.5	100.8	100.4	100.8
2010	3226	2068	15	0.3	0.3	-0.00	-0.00	100.2	2.99	0.7	0.1	0.8	0.4	-0.1	101.5	100.4	101.3
2011	3085	2098	21	1.2	0.6	0.01	0.00	99.6	3.00	1.5	0.8	1.6	1.1	0.6	101.9	100.3	101.6
2012	2973	2144	132	6.5	4.5	0.02	0.00	100.1	2.99	1.9	1.6	1.4	1.5	1.2	101.3	100.2	100.9
2013	2702	2191	152	8.7	6.1	0.03	0.01	100.1	2.99	2.6	1.9	2.0	2.1	1.8	101.7	100.1	101.0
2014	2572	2235	233	10.0	8.3	0.01	0.01	99.9	2.95	3.5	2.2	3.0	3.1	1.8	102.3	99.2	101.6
2015	2104	2320	339	14.7	12.7	0.01	0.02	100.2	2.94	4.1	2.5	3.3	3.7	2.2	103.0	99.1	102.2

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.

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**Ontario**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2005	589	1729	-385	-19.9	-14.6	-0.06	-0.02	100.2	3.09	-2.8	-2.3	-1.9	-3.0	-1.1	99.2	100.7	100.7
2006	562	1747	-343	-18.9	-13.6	-0.07	-0.03	99.6	3.09	-2.2	-1.9	-1.7	-2.3	-0.6	99.2	100.4	100.2
2007	535	1801	-268	-15.1	-10.2	-0.05	-0.01	100.0	3.08	-2.1	-1.5	-2.0	-2.1	-0.5	99.2	100.7	100.4
2008	560	1871	-178	-11.1	-6.8	-0.05	-0.01	100.3	3.05	-1.2	-0.9	-0.8	-1.4	-0.5	99.7	100.2	100.9
2009	577	1898	-187	-10.5	-6.8	-0.04	-0.00	100.5	3.03	-1.1	-1.0	-0.7	-1.1	-0.5	100.4	100.5	100.8
2010	489	1973	-91	-6.4	-2.6	-0.04	0.01	100.3	3.02	-0.4	-0.6	-0.1	-0.5	-0.1	100.8	100.3	101.6
2011	440	2012	-61	-4.3	-2.2	-0.02	-0.00	100.2	3.01	0.5	0.2	0.6	0.2	0.1	101.2	100.4	101.7
2012	463	2086	70	0.3	2.0	-0.03	-0.00	100.4	3.01	1.2	0.9	1.2	0.9	0.7	101.2	100.4	101.5
2013	414	2100	53	-0.1	2.2	-0.03	0.01	100.1	3.02	1.9	1.3	1.5	1.4	1.3	101.5	100.3	101.6
2014	387	2143	138	3.3	4.8	-0.03	0.00	100.0	2.99	2.5	1.9	2.0	2.1	1.7	101.5	99.7	101.7
2015	341	2244	251	9.3	9.2	-0.01	0.01	100.2	2.97	3.5	2.4	2.7	3.2	2.0	102.3	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
2005	35	1692	-332	-19.8	-12.7	-0.08	-0.02	100.9	3.10	-3.9	-2.7	-3.1	-3.6	-1.5	98.3	99.7	99.6
2006	48	1745	-336	-17.7	-13.2	-0.05	-0.02	100.4	3.08	-2.9	-2.1	-2.0	-3.1	-1.2	98.7	101.1	100.3
2007	23	1831	-263	-11.9	-9.1	-0.02	-0.00	102.3	3.07	-1.8	-1.0	-2.7	-1.5	0.1	98.9	101.1	101.0
2008	27	1864	-243	-11.1	-8.8	-0.01	-0.01	101.1	3.04	-0.7	-0.8	-0.8	-0.9	0.3	99.7	100.2	100.8
2009	27	1973	-50	-4.3	-1.4	-0.03	0.01	100.3	2.97	-1.3	-1.4	-0.4	-1.3	-2.2	100.7	100.2	101.2
2010	23	2026	-31	-2.3	-1.4	-0.01	-0.00	100.9	2.98	0.2	-1.0	0.6	0.5	-0.3	101.3	99.9	101.2
2011	24	2159	220	7.8	5.8	-0.01	-0.02	101.4	2.97	-0.2	-0.8	-0.3	0.3	-0.8	102.0	100.9	102.5
2012	26	2073	-40	-3.0	-4.0	-0.02	-0.03	100.7	2.98	3.1	1.9	2.0	2.9	1.3	102.3	100.2	102.6
2013	19	2070	-110	-4.9	-2.1	-0.01	0.02	100.2	2.98	1.4	0.1	0.6	1.9	0.3	102.2	101.4	103.3
2014	27	2144	98	3.8	3.0	-0.00	-0.00	99.6	2.98	2.9	1.2	2.5	2.8	1.6	102.1	99.1	102.0
2015	23	2230	179	10.8	5.7	0.05	-0.00	100.4	2.97	2.7	0.8	2.2	2.7	2.1	102.9	100.0	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
2005	2	1393	-1102	-59.0	-38.0	-0.21	-0.01	100.0	3.15	-1.0	-2.5	1.0	-3.5	2.0	99.5	101.5	98.0
2006	2	1692	-891	-33.0	-25.5	0.05	0.07	101.0	3.07	-0.5	-4.0	0.0	0.5	-0.5	101.0	101.5	98.5
2007	3	1371	-917	-42.7	-34.0	-0.07	-0.04	104.3	3.10	-3.7	-1.3	-4.3	-4.7	-0.3	96.7	100.7	96.5
2008	5	1634	-501	-30.0	-20.6	-0.13	-0.05	103.4	3.08	-5.0	-4.6	-2.0	-6.4	-3.0	99.0	104.3	98.3
2009	2	1522	-802	-34.0	-34.0	-0.01	-0.10	101.5	3.18	-3.0	-4.0	-1.5	-2.5	1.0	99.5	101.0	97.5
2012	1	1548	-852	-39.0	-30.0	-0.06	-0.01	103.0	3.15	-1.0	-2.0	0.0	-2.0	3.0	100.0	.	.
2015	3	1894	-203	-2.7	-8.7	0.07	-0.03	102.0	3.09	0.0	1.0	0.0	-0.7	2.3	99.0	99.5	97.0

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
2005	41	1584	-599	-34.3	-24.8	-0.14	-0.06	103.9	3.07	-3.5	-3.7	-2.7	-3.5	-2.2	99.5	101.6	99.9
2006	47	1622	-697	-27.7	-21.3	0.01	0.03	102.6	3.10	-3.5	-3.5	-3.1	-3.3	-1.0	98.9	101.3	99.1
2007	44	1606	-539	-28.7	-21.0	-0.09	-0.04	100.9	3.12	-3.2	-2.7	-3.0	-3.0	-0.9	98.2	101.2	99.9
2008	36	1551	-667	-34.8	-25.6	-0.10	-0.04	102.6	3.06	-3.1	-2.8	-2.4	-2.9	-1.7	98.9	100.3	99.8
2009	33	1820	-309	-13.5	-10.8	-0.01	-0.00	102.1	3.05	-1.6	-1.5	-1.5	-1.7	-0.5	99.6	100.7	101.0
2010	37	1892	-251	-12.5	-7.5	-0.03	0.02	101.1	3.04	-0.9	-1.5	-0.3	-1.2	-0.4	100.4	100.9	100.3
2011	46	1699	-519	-26.8	-20.0	-0.08	-0.03	102.6	3.06	-1.3	-2.0	-0.8	-1.5	0.3	100.4	100.0	100.8
2012	37	1765	-455	-21.4	-15.5	-0.04	-0.00	102.9	3.02	-1.4	-1.7	-1.2	-1.5	-0.2	100.3	100.8	101.0
2013	36	1920	-273	-11.2	-7.5	-0.00	0.02	102.9	3.02	-0.5	-0.7	-0.1	-0.9	-0.3	100.8	101.6	101.6
2014	36	1747	-493	-22.8	-15.5	-0.04	0.02	103.1	3.01	-1.4	-1.8	-1.6	-1.4	0.3	100.0	100.6	100.4
2015	29	1930	-173	-9.3	-7.1	-0.03	-0.02	102.0	3.00	0.3	-0.8	-0.1	0.3	1.3	101.2	99.2	102.4

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 2018**

**British Columbia**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2005	67	1660	-430	-22.3	-18.0	-0.06	-0.04	103.7	3.08	-4.0	-2.8	-2.9	-4.7	-1.6	98.1	101.8	99.2
2006	58	1750	-367	-20.7	-14.7	-0.08	-0.03	102.9	3.06	-3.1	-2.6	-2.6	-3.2	-1.6	99.0	102.7	99.8
2007	66	1814	-262	-16.0	-9.9	-0.07	-0.01	101.8	3.09	-2.7	-1.7	-2.3	-3.1	-1.3	99.2	102.4	101.2
2008	70	1892	-120	-8.3	-5.7	-0.04	-0.02	102.8	3.02	-2.4	-1.4	-1.6	-2.8	-0.9	99.6	101.4	101.8
2009	90	1852	-246	-12.5	-8.4	-0.03	0.00	102.3	3.06	-1.3	-1.4	-0.6	-1.6	-1.2	99.3	100.5	100.5
2010	72	1935	-126	-7.6	-6.5	-0.03	-0.03	101.7	3.05	-0.5	-0.5	-0.3	-1.0	-0.4	100.1	101.4	101.9
2011	74	1999	-40	-3.8	-2.9	-0.03	-0.02	101.2	3.05	0.3	0.3	0.2	0.1	0.9	100.5	100.9	101.6
2012	93	1970	-86	-5.9	-5.8	-0.03	-0.04	101.3	3.04	0.5	-0.1	-0.2	0.7	0.6	100.8	100.6	101.1
2013	75	2105	82	4.8	1.9	0.02	-0.01	101.5	3.02	0.8	0.0	0.7	0.4	1.0	101.1	101.0	100.9
2014	89	2170	176	6.4	5.3	-0.01	-0.01	101.7	2.96	1.5	0.5	1.6	1.0	1.6	102.3	100.1	101.0
2015	79	2212	247	10.0	7.8	0.00	-0.01	100.6	2.97	2.5	1.1	1.9	2.5	1.6	102.3	98.9	102.1

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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**Newfoundland**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2008	1	1800	-111	-3.0	-3.0	0.02	0.01	103.0	2.97	-2.0	0.0	-1.0	-3.0	-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.