

Provincial genetic trends by birth year for Milking Shorthorn 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	13	885	-47	-21.7	-3.1	-0.33	-0.04	99.2	3.00	-2.5	-2.8	-1.5	-1.5	-0.3	98.7	98.5	99.4
2006	16	1130	67	-4.6	0.5	-0.12	-0.03	100.4	2.94	-1.4	-1.6	-2.3	-0.9	0.6	100.9	101.1	99.6
2007	7	1072	160	-7.0	3.0	-0.23	-0.02	99.9	3.02	-1.3	-1.7	-1.0	-1.4	0.6	99.6	99.0	98.5
2008	15	1207	332	2.7	5.9	-0.19	-0.06	102.1	2.95	-1.3	-1.7	-1.3	-0.8	-0.3	99.2	99.8	100.2
2009	15	1233	97	7.5	-0.9	0.06	-0.08	100.3	3.04	1.6	0.1	2.9	1.1	2.1	99.3	100.2	97.5
2010	14	1144	4	-0.2	-1.9	-0.00	-0.04	99.2	2.98	0.0	-1.5	-0.5	0.6	0.8	99.9	100.4	98.9
2011	21	1440	38	13.9	1.0	0.21	0.00	101.4	3.03	4.3	2.2	3.7	4.3	3.7	100.9	101.1	96.5
2012	11	1221	105	-0.5	0.6	-0.07	-0.05	99.2	2.95	0.9	-0.9	0.5	1.1	1.0	101.1	100.3	98.0
2013	20	1562	209	18.6	6.3	0.16	0.02	101.9	2.96	4.2	2.7	2.3	4.2	3.3	102.1	100.3	99.9
2014	11	1625	202	18.5	6.9	0.16	0.04	101.5	2.95	5.5	4.2	2.7	5.4	2.9	102.0	101.0	99.5
2015	18	1516	370	9.4	7.3	-0.11	-0.05	100.1	2.93	4.7	3.8	0.7	5.6	0.9	101.7	101.0	102.0

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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Nova Scotia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2006	1	1504	147	14.0	5.0	0.13	0.03	105.0	2.96	2.0	1.0	5.0	0.0	0.0	104.0	.	.
2007	1	1306	434	-4.0	8.0	-0.37	-0.07	103.0	3.03	4.0	3.0	3.0	3.0	1.0	99.0	.	.
2008	1	1206	185	-6.0	1.0	-0.23	-0.10	102.0	2.92	2.0	0.0	0.0	3.0	4.0	100.0	100.0	99.0
2010	1	1213	-233	-13.0	-8.0	-0.04	-0.04	99.0	2.84	1.0	-1.0	0.0	2.0	2.0	104.0	105.0	.
2011	1	2034	704	31.0	21.0	0.00	0.06	101.0	2.87	9.0	8.0	6.0	7.0	3.0	104.0	.	.
2012	1	1303	118	-3.0	-1.0	-0.13	-0.10	101.0	2.96	4.0	1.0	1.0	5.0	0.0	104.0	.	.
2013	1	1207	-252	4.0	-2.0	0.26	0.10	101.0	2.93	-1.0	-3.0	-2.0	0.0	-1.0	100.0	101.0	95.0
2014	5	1414	3	11.2	0.2	0.18	0.01	102.6	2.98	3.2	0.8	3.4	2.8	2.4	102.4	104.0	.

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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New Brunswick

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2007	2	783	-382	-28.0	-10.5	-0.20	-0.02	98.0	3.06	-1.5	-2.5	-0.5	-2.0	0.0	99.5	101.0	.
2008	3	1081	-45	-7.0	-1.3	-0.07	-0.00	99.7	2.89	0.7	-1.0	1.0	-1.3	0.7	98.7	98.7	97.5
2010	1	1276	-156	8.0	-4.0	0.26	0.01	99.0	2.94	0.0	0.0	0.0	1.0	-1.0	101.0	.	.
2011	3	1295	345	8.0	6.7	-0.12	-0.05	103.3	2.82	-1.3	-2.0	-1.0	-1.7	2.0	99.7	101.0	95.5
2013	1	1373	360	25.0	6.0	0.15	-0.09	103.0	2.98	1.0	1.0	-1.0	1.0	3.0	100.0	.	.
2014	2	1239	362	7.5	6.5	-0.14	-0.07	102.5	2.85	-0.5	-1.5	0.0	-2.0	3.0	99.0	.	97.0
2015	1	1343	246	7.0	4.0	-0.06	-0.06	103.0	2.86	2.0	1.0	-1.0	2.0	-1.0	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
2005	1	957	-216	-17.0	-6.0	-0.13	-0.01	95.0	3.07	5.0	5.0	-4.0	5.0	4.0	97.0	101.0	101.0
2006	3	909	-282	-15.3	-6.3	-0.05	0.03	100.0	3.04	-2.7	-4.3	-2.7	-0.7	0.3	98.3	104.0	97.0
2007	2	968	188	-5.5	-1.0	-0.23	-0.15	100.5	3.02	-2.0	-0.5	-2.5	-3.0	5.5	96.5	.	.
2008	5	968	-84	-9.8	-2.6	-0.10	-0.01	101.4	2.98	-4.2	-5.0	-3.6	-2.6	-2.6	99.2	99.0	97.0
2009	2	1038	211	-0.5	1.0	-0.16	-0.10	100.0	2.98	-3.5	-0.5	-4.5	-2.5	1.5	96.0	.	.
2010	3	1054	-194	-3.3	-5.3	0.09	-0.01	100.7	3.10	1.0	-2.0	-0.7	3.0	-3.3	98.7	100.0	98.7
2011	8	1188	1	-0.8	-1.9	-0.00	-0.04	100.1	2.99	1.1	-0.8	1.1	1.3	1.3	100.8	102.4	99.0
2012	5	1186	0	-3.4	-4.0	-0.05	-0.09	99.0	3.03	2.8	-0.4	0.6	3.6	-2.2	103.2	103.0	101.4
2013	5	1156	-197	-0.8	-5.4	0.14	-0.01	99.2	3.07	2.4	0.0	1.4	3.2	-0.6	100.4	104.5	99.3
2014	4	1181	121	1.3	-0.5	-0.07	-0.09	100.5	2.92	0.0	-2.3	0.8	-0.5	1.8	102.3	103.0	101.0
2015	4	1223	-29	6.0	-1.3	0.13	-0.02	101.8	3.02	1.8	-0.3	0.0	2.3	-1.3	100.5	.	.

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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Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2005	94	993	-127	-14.6	-2.6	-0.15	0.02	99.6	3.03	-0.9	-1.7	-0.5	-1.0	-0.8	99.2	98.8	98.0
2006	98	991	-156	-16.4	-4.7	-0.16	-0.01	99.0	3.02	0.0	-0.8	0.1	0.2	0.2	99.9	98.5	98.1
2007	119	1078	-43	-9.1	-1.4	-0.12	-0.01	99.7	3.03	0.3	-0.4	0.3	0.1	-0.1	99.4	99.9	99.3
2008	104	1083	-4	-8.1	-0.8	-0.13	-0.01	99.9	3.02	0.1	-0.5	-0.4	0.2	-0.1	99.5	99.2	99.5
2009	94	1137	-62	-4.9	-1.9	-0.03	-0.00	100.1	3.00	0.6	-0.3	0.1	0.8	0.6	100.1	100.0	98.6
2010	119	1154	-11	-2.1	-0.0	-0.02	0.01	101.1	3.02	0.1	-0.8	0.4	0.1	0.6	99.8	100.0	99.6
2011	104	1275	71	0.6	1.7	-0.04	-0.00	101.0	3.00	1.8	1.1	1.2	2.0	1.1	100.5	100.8	99.5
2012	100	1253	-15	0.1	0.1	0.02	0.01	100.9	3.01	2.1	0.8	1.4	2.1	2.1	100.6	101.0	100.4
2013	89	1244	-75	-2.1	-1.4	0.02	0.02	100.2	3.02	2.4	1.1	1.9	2.4	1.8	101.1	100.3	99.3
2014	75	1337	66	2.1	1.4	-0.01	-0.01	101.5	2.97	2.7	1.4	1.4	3.1	1.5	101.6	103.3	100.0
2015	77	1390	63	4.1	2.0	0.03	0.01	101.1	2.99	4.1	2.8	2.3	4.3	1.7	101.6	104.7	101.1

Notes:

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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	17	985	-188	-14.1	-4.0	-0.10	0.02	100.0	3.00	-0.4	-1.1	-2.0	0.0	-1.9	98.2	97.7	99.5
2006	20	1131	-151	-6.6	-2.9	-0.00	0.03	100.0	2.99	0.2	-0.5	0.4	0.3	-1.1	100.4	101.4	98.8
2007	26	1051	-57	-11.9	-3.8	-0.15	-0.05	99.4	2.97	1.0	0.2	-0.8	1.4	0.1	99.2	100.8	98.5
2008	17	1155	-35	-5.1	-0.9	-0.06	-0.00	100.4	2.95	0.4	0.2	-0.2	0.1	-0.3	100.2	100.4	98.5
2009	24	1260	17	1.5	0.1	0.02	-0.01	99.6	2.99	2.6	1.5	0.0	3.0	1.6	100.1	99.6	98.6
2010	24	1136	-129	-5.9	-4.1	-0.00	-0.02	98.2	3.00	2.3	1.2	-1.2	3.2	1.5	99.8	.	100.2
2011	27	1286	89	3.1	1.4	-0.01	-0.02	99.8	2.98	3.4	2.9	-0.6	3.9	2.1	99.3	101.0	100.7
2012	37	1388	30	7.9	2.3	0.11	0.04	101.0	2.98	3.2	2.4	-0.2	3.9	2.3	100.8	102.2	102.0
2013	23	1328	126	4.0	2.9	-0.02	-0.01	100.8	2.99	2.3	0.8	0.0	3.2	2.1	100.7	101.5	.
2014	19	1245	29	2.0	1.1	0.01	0.01	101.7	2.99	1.6	0.8	-0.7	2.2	0.4	99.1	.	104.0
2015	27	1502	74	8.0	3.0	0.08	0.03	101.3	2.96	6.2	5.1	2.7	6.0	2.9	101.7	100.0	101.0

Notes:

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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	2	954	-395	-15.5	-9.0	0.03	0.04	95.0	3.05	1.5	0.5	-1.0	2.5	0.0	97.5	101.0	.
2006	5	1004	177	-10.4	3.2	-0.29	-0.03	97.4	2.94	-2.8	-1.6	-4.6	-2.4	0.0	98.4	.	.
2007	2	1060	225	-12.0	1.0	-0.36	-0.11	99.5	3.00	-2.0	-4.5	-0.5	-1.0	-1.0	103.5	.	.
2008	7	1049	92	-10.7	-0.4	-0.25	-0.07	98.3	3.06	0.6	-0.4	-0.1	0.3	0.3	100.1	103.0	.
2009	7	1186	-102	-7.0	-0.1	-0.04	0.06	99.7	3.02	1.4	1.3	0.4	1.6	2.9	100.4	106.0	.
2010	5	1151	32	-4.4	0.4	-0.09	-0.01	98.4	3.04	1.2	1.0	-0.2	1.6	2.4	99.6	99.3	.
2011	1	1338	268	18.0	2.0	0.11	-0.12	102.0	2.75	-1.0	1.0	0.0	-2.0	5.0	102.0	.	.
2012	1	1376	493	7.0	8.0	-0.24	-0.11	101.0	2.82	2.0	4.0	1.0	2.0	2.0	102.0	.	.
2014	2	1323	176	4.0	1.5	-0.07	-0.08	100.5	2.94	2.5	0.5	2.5	2.0	-0.5	102.0	.	.

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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