

Provincial genetic trends by birth year for Milking Shorthorn 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	12	901	55	-16.8	0.2	-0.32	-0.03	98.2	3.09	-0.7	-2.3	-1.9	-0.3	0.8	96.3	98.0	98.8
2005	13	918	-25	-20.7	-2.2	-0.33	-0.04	99.3	3.00	-2.1	-2.8	-1.5	-1.2	-0.5	98.9	99.3	100.0
2006	16	1137	75	-3.9	0.8	-0.12	-0.03	100.7	2.94	-1.2	-1.6	-2.3	-0.8	0.6	100.8	101.3	99.9
2007	7	1081	153	-6.4	3.1	-0.22	-0.02	100.1	3.03	-1.1	-1.7	-0.9	-1.3	0.6	99.4	99.5	99.5
2008	15	1222	323	3.5	6.3	-0.17	-0.05	102.3	2.94	-0.9	-1.8	-1.2	-0.8	-0.3	99.6	100.0	100.3
2009	15	1282	108	8.9	-0.1	0.08	-0.07	100.8	3.04	2.0	0.5	3.2	1.5	1.9	100.3	100.6	99.0
2010	14	1191	10	0.9	-1.4	0.01	-0.04	99.4	2.97	0.6	-1.1	0.1	0.7	1.1	100.9	101.2	99.7
2011	21	1449	14	14.6	1.0	0.24	0.01	101.7	3.04	4.5	2.2	4.0	4.7	3.3	100.7	100.3	96.8
2012	11	1209	78	-0.8	-0.2	-0.06	-0.05	99.0	2.98	1.2	-0.8	0.8	1.5	1.5	101.2	99.5	97.0
2013	18	1590	281	17.8	7.8	0.10	0.01	102.3	2.96	4.6	2.8	2.6	5.0	2.7	102.1	99.7	99.8
2014	9	1636	187	22.1	6.9	0.25	0.05	102.0	2.98	5.6	4.4	2.7	5.6	2.8	101.7	100.0	98.0

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	1489	75	15.0	4.0	0.20	0.06	106.0	2.97	2.0	0.0	4.0	0.0	0.0	104.0	.	.
2007	1	1289	400	-4.0	7.0	-0.34	-0.07	103.0	3.04	4.0	3.0	2.0	4.0	2.0	99.0	.	.
2008	1	1211	187	-5.0	1.0	-0.23	-0.09	102.0	2.92	3.0	1.0	0.0	3.0	4.0	99.0	101.0	100.0
2010	1	1297	-203	-11.0	-7.0	-0.04	-0.03	100.0	2.84	2.0	-2.0	1.0	3.0	2.0	105.0	106.0	.
2011	1	1985	760	34.0	22.0	0.03	0.06	103.0	2.89	8.0	7.0	5.0	6.0	4.0	103.0	.	.
2012	1	1391	151	0.0	0.0	-0.11	-0.09	102.0	2.95	5.0	2.0	2.0	6.0	1.0	105.0	.	.
2013	1	1308	-138	9.0	-2.0	0.25	0.04	102.0	2.91	0.0	-3.0	-2.0	1.0	-1.0	103.0	103.0	.
2014	4	1461	11	11.8	0.3	0.19	0.00	103.5	2.98	4.5	1.8	4.5	4.3	1.3	103.0	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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New Brunswick

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	3	1294	151	0.3	3.3	-0.10	-0.01	103.3	2.85	0.0	-3.0	-2.3	2.0	0.3	101.0	.	.
2007	2	804	-379	-27.5	-10.5	-0.20	-0.02	98.5	3.06	-1.5	-3.0	-0.5	-1.5	0.0	99.5	101.0	.
2008	3	1098	-48	-6.3	-1.3	-0.07	0.00	100.0	2.90	0.7	-1.3	1.0	-1.0	0.3	99.0	99.3	98.0
2010	1	1338	-133	11.0	-3.0	0.28	0.01	100.0	2.94	1.0	0.0	0.0	2.0	-1.0	102.0	.	.
2011	3	1331	363	9.0	7.3	-0.11	-0.05	103.7	2.82	-1.3	-2.0	-1.0	-1.3	2.3	100.3	101.0	96.5
2013	1	1392	370	23.0	6.0	0.12	-0.09	104.0	2.99	2.0	0.0	0.0	2.0	3.0	101.0	.	.
2014	2	1274	384	8.5	7.0	-0.14	-0.08	102.5	2.85	-0.5	-1.0	0.0	-1.5	3.5	100.0	.	99.0

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
2004	3	738	-144	-25.7	-6.0	-0.34	-0.06	97.0	3.20	-1.0	-5.0	-3.3	1.0	0.3	97.3	98.0	.
2005	1	980	-193	-17.0	-5.0	-0.15	0.01	94.0	3.02	5.0	5.0	-5.0	5.0	4.0	97.0	101.0	100.0
2006	3	922	-257	-14.0	-5.3	-0.06	0.04	100.3	3.04	-2.7	-4.3	-3.0	-1.0	0.0	98.3	103.0	97.0
2007	2	999	189	-5.0	-1.0	-0.22	-0.14	100.5	3.04	-1.5	-0.5	-2.0	-2.0	6.0	97.0	.	.
2008	5	978	-76	-8.4	-1.8	-0.09	0.00	102.0	3.00	-4.4	-5.0	-3.6	-3.0	-2.6	99.0	99.0	98.0
2009	2	1041	197	-0.5	1.5	-0.16	-0.09	100.0	2.99	-3.0	-0.5	-4.5	-2.5	2.0	96.0	.	.
2010	3	1043	-220	-3.7	-5.7	0.10	0.00	101.0	3.10	1.0	-2.0	-0.3	2.7	-3.0	98.3	100.0	97.5
2011	8	1212	14	0.0	-1.0	-0.00	-0.03	100.0	2.99	1.8	-0.5	1.4	1.5	1.3	100.9	102.0	99.4
2012	5	1221	-5	-2.8	-3.2	-0.04	-0.08	99.2	3.02	3.6	0.4	1.2	4.2	-1.6	103.4	102.3	100.8
2013	5	1214	-174	1.2	-4.4	0.15	-0.00	99.4	3.05	3.0	0.4	2.2	3.8	0.0	101.2	104.0	100.0
2014	5	1252	136	2.2	0.6	-0.06	-0.07	100.8	2.92	1.6	-0.2	0.8	1.4	1.8	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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Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	81	1005	-137	-15.3	-3.3	-0.16	0.01	99.3	3.00	-0.9	-1.7	-1.0	-0.5	-0.8	99.7	99.5	98.7
2005	94	999	-122	-14.3	-2.2	-0.16	0.02	99.9	3.03	-1.1	-1.7	-0.9	-0.9	-0.8	99.1	99.3	98.1
2006	98	997	-153	-16.3	-4.4	-0.17	-0.01	99.2	3.03	0.0	-0.8	-0.1	0.3	0.1	99.8	98.7	97.6
2007	118	1086	-38	-8.7	-1.2	-0.12	-0.00	100.0	3.03	0.3	-0.4	0.1	0.3	-0.2	99.2	100.0	99.3
2008	102	1090	2	-7.4	-0.4	-0.13	-0.01	100.1	3.03	0.1	-0.6	-0.6	0.3	-0.0	99.3	99.8	99.8
2009	93	1163	-45	-3.9	-1.3	-0.03	-0.00	100.4	3.00	0.9	-0.2	0.3	1.1	0.9	100.4	100.2	99.3
2010	119	1168	-3	-1.1	0.4	-0.01	0.01	101.7	3.02	0.2	-0.7	0.4	0.3	0.7	99.8	100.0	99.9
2011	99	1282	77	1.3	1.8	-0.03	-0.00	101.3	3.00	1.9	1.1	1.2	2.1	1.4	100.5	100.5	99.9
2012	92	1271	-32	0.2	0.0	0.03	0.02	101.1	3.01	2.5	1.1	1.7	2.6	2.2	101.1	101.2	100.4
2013	84	1274	-46	-0.7	-0.4	0.02	0.02	101.0	3.02	2.8	1.4	2.1	2.8	1.9	101.2	100.6	99.4
2014	60	1373	67	4.1	1.9	0.03	0.01	101.8	2.99	3.5	2.0	1.9	3.9	2.0	101.6	103.0	101.0

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
2004	7	857	-255	-20.3	-7.6	-0.16	-0.02	96.4	2.98	-2.4	-2.9	-2.0	-1.7	-2.0	99.6	100.0	99.0
2005	17	989	-185	-14.1	-3.7	-0.11	0.03	100.2	2.99	-0.6	-1.3	-2.2	-0.1	-2.0	98.2	98.4	100.0
2006	20	1135	-160	-7.0	-3.0	-0.00	0.03	100.1	2.99	0.3	-0.4	0.2	0.7	-0.9	100.5	101.1	98.5
2007	26	1059	-62	-11.6	-3.7	-0.15	-0.05	99.5	2.98	1.2	0.2	-0.9	1.6	0.0	99.1	100.6	99.7
2008	16	1153	-25	-5.0	-0.8	-0.07	0.00	100.5	2.96	0.1	-0.1	-0.4	0.2	0.0	100.4	101.0	99.0
2009	24	1284	32	3.4	0.5	0.04	-0.00	99.9	2.98	2.7	1.8	0.2	3.0	2.0	100.3	99.3	98.4
2010	23	1178	-95	-4.7	-3.7	-0.01	-0.03	98.6	2.99	3.0	1.2	-0.7	3.7	2.3	100.5	.	101.2
2011	27	1291	105	4.6	1.5	0.00	-0.03	99.8	2.98	3.1	2.7	-0.4	3.8	2.6	99.3	101.0	102.0
2012	36	1408	62	9.4	3.1	0.12	0.04	101.1	2.97	3.6	2.6	0.1	4.2	2.4	100.7	99.5	101.0
2013	21	1348	143	5.4	3.1	-0.01	-0.01	101.1	2.99	2.4	0.7	0.2	3.3	2.4	101.0	101.0	.
2014	7	1100	-199	-8.4	-5.7	0.01	-0.01	100.6	3.03	2.4	1.7	0.3	2.4	-0.7	99.7	.	.

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
2004	8	1088	119	-6.3	1.5	-0.20	-0.04	100.8	2.98	-1.1	-1.9	-3.3	0.3	-0.5	98.6	98.7	101.0
2005	2	977	-397	-15.5	-8.0	0.04	0.05	95.0	3.05	1.5	0.5	-1.0	2.5	0.5	98.0	101.0	.
2006	5	1007	183	-9.4	3.4	-0.28	-0.03	97.8	2.94	-3.2	-1.8	-4.8	-2.4	0.2	98.4	.	.
2007	2	1101	254	-9.5	2.0	-0.34	-0.11	100.0	3.00	-2.0	-4.5	-0.5	-1.0	-1.5	104.0	.	.
2008	7	1052	92	-10.3	0.1	-0.24	-0.06	98.4	3.05	0.6	-0.1	-0.3	0.3	0.3	99.6	102.0	.
2009	7	1211	-91	-5.9	0.3	-0.03	0.07	99.9	3.02	1.6	1.3	0.4	1.9	2.7	100.7	105.0	.
2010	5	1162	37	-3.8	0.8	-0.09	-0.00	98.6	3.05	1.2	0.6	-0.4	2.0	1.8	99.4	99.3	.
2011	1	1432	312	22.0	3.0	0.14	-0.11	103.0	2.75	0.0	1.0	0.0	-1.0	5.0	105.0	.	.
2012	1	1395	517	9.0	9.0	-0.21	-0.11	102.0	2.82	3.0	5.0	1.0	2.0	3.0	102.0	.	.
2014	2	1283	107	1.5	0.0	-0.05	-0.06	100.5	2.96	2.5	0.0	2.0	2.0	-0.5	102.0	.	.

Notes:

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