

Provincial genetic trends by birth year for Milking Shorthorn cows
Canadian Dairy Network, August 2015

Prince Edward Island

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2002	16	905	24	-7.7	-2.1	-0.14	-0.06	99.4	3.06	-1.7	-2.4	-0.8	-1.5	-0.4	98.3	98.7	99.8
2003	13	944	-5	-7.8	0.5	-0.12	0.01	97.8	3.11	-1.5	-3.2	-1.1	-1.1	-0.2	98.3	99.3	99.4
2004	12	917	82	-9.6	1.4	-0.21	-0.02	98.2	3.10	-0.4	-2.3	-1.3	0.2	1.6	96.5	97.5	99.6
2005	13	911	-25	-14.4	-1.6	-0.21	-0.02	99.2	3.03	-1.8	-3.1	-1.1	-0.9	-0.3	98.9	99.5	100.2
2006	16	1139	95	2.9	1.7	-0.02	-0.02	101.0	2.94	-1.3	-1.6	-2.2	-0.8	0.6	100.6	101.2	100.3
2007	7	1095	181	0.1	4.1	-0.12	-0.01	100.4	3.04	-1.0	-2.0	-1.0	-0.9	1.1	100.0	100.8	99.0
2008	15	1225	320	10.1	6.9	-0.05	-0.03	102.3	2.96	-0.8	-1.9	-0.9	-0.4	-0.1	99.3	99.5	99.6
2009	15	1281	126	14.7	0.7	0.15	-0.06	100.5	3.08	2.6	0.7	3.6	1.8	2.3	100.4	101.5	98.4
2010	14	1225	53	7.1	-0.3	0.08	-0.04	99.6	2.97	1.7	-0.1	0.7	1.8	1.2	101.1	100.6	99.5
2011	20	1486	127	22.8	4.2	0.28	0.02	102.6	3.06	4.6	2.2	3.9	4.5	3.6	101.1	101.8	97.1
2012	9	1247	-5	0.8	-0.2	0.02	0.00	99.8	2.93	2.4	0.0	1.9	2.3	2.1	102.9	102.5	.

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.

Provincial genetic trends by birth year for Milking Shorthorn cows
Canadian Dairy Network, August 2015

Nova Scotia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2002	2	935	115	-0.5	3.5	-0.09	0.01	103.0	3.05	-3.5	-1.0	-1.5	-4.0	2.0	95.5	95.5	.
2003	1	1016	-125	-18.0	-3.0	-0.21	0.00	103.0	3.02	3.0	2.0	-1.0	3.0	3.0	97.0	100.0	.
2006	1	1389	-25	13.0	3.0	0.22	0.08	105.0	2.91	1.0	0.0	3.0	-1.0	1.0	103.0	.	.
2007	1	1318	384	2.0	8.0	-0.21	-0.04	102.0	3.07	6.0	4.0	4.0	4.0	1.0	99.0	.	.
2008	1	1210	170	0.0	1.0	-0.11	-0.06	103.0	2.84	3.0	1.0	0.0	2.0	6.0	101.0	99.0	101.0
2010	1	1288	-220	1.0	-6.0	0.17	0.00	102.0	2.93	4.0	2.0	1.0	4.0	3.0	102.0	105.0	.
2011	1	1613	248	14.0	9.0	0.05	0.06	103.0	2.87	7.0	6.0	5.0	5.0	4.0	103.0	.	.

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.

Provincial genetic trends by birth year for Milking Shorthorn cows
Canadian Dairy Network, August 2015

New Brunswick

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	2	1268	33	4.5	3.5	0.04	0.07	103.0	2.88	-0.5	-3.5	-2.5	1.5	0.0	101.0	.	.
2007	2	787	-354	-20.5	-9.5	-0.10	-0.01	98.5	3.08	-1.5	-3.0	-0.5	-1.5	1.0	99.5	100.0	.
2008	3	1113	-61	-0.7	-1.3	0.03	0.02	100.3	2.89	1.0	-0.3	1.3	-0.7	1.0	100.0	99.7	99.0
2010	1	1388	-183	13.0	-4.0	0.33	0.02	100.0	2.86	2.0	2.0	1.0	2.0	0.0	104.0	104.0	.
2011	2	1343	329	11.5	6.5	-0.04	-0.05	105.5	2.70	-2.5	-2.0	0.0	-3.5	4.0	103.5	101.5	98.5

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.

Provincial genetic trends by birth year for Milking Shorthorn cows
Canadian Dairy Network, August 2015

Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2002	1	980	151	4.0	3.0	-0.04	-0.02	103.0	2.95	-3.0	-4.0	-4.0	-2.0	-9.0	96.0	99.0	99.0
2003	1	1063	-398	-12.0	-8.0	0.07	0.06	102.0	2.93	1.0	0.0	-1.0	2.0	-2.0	103.0	103.0	.
2004	3	737	-121	-19.7	-5.3	-0.24	-0.05	97.3	3.20	-0.7	-5.0	-2.3	1.3	0.3	97.3	98.0	98.0
2005	1	928	-164	-7.0	-3.0	-0.01	0.03	96.0	3.15	4.0	5.0	-5.0	4.0	4.0	96.0	101.0	102.0
2006	3	965	-246	-8.0	-4.3	0.03	0.05	100.3	3.00	-2.7	-4.7	-2.7	-0.3	-0.3	99.7	104.0	97.0
2007	2	947	166	-0.5	-1.0	-0.12	-0.12	101.0	3.04	-2.0	-0.5	-2.0	-2.5	6.5	97.0	96.0	.
2008	5	983	-37	-1.6	-0.6	-0.00	0.01	102.6	2.99	-4.2	-5.2	-3.6	-2.8	-1.8	99.0	99.0	99.0
2009	2	992	171	3.0	0.5	-0.07	-0.08	99.5	2.98	-4.0	-1.0	-5.0	-2.5	2.5	96.0	.	.
2010	4	1359	40	20.8	2.8	0.31	0.04	104.3	3.08	2.8	-1.8	2.0	3.8	-1.8	100.8	100.0	101.0
2011	8	1219	7	3.6	-0.5	0.06	-0.01	100.6	2.98	2.4	0.0	1.6	1.9	1.6	101.6	102.8	99.0
2012	5	1310	36	4.8	0.0	0.05	-0.02	100.6	3.02	5.2	2.2	1.6	5.8	-0.6	103.2	103.0	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.
3. Conformation indexes based on first lactation classifications of each cow.

Provincial genetic trends by birth year for Milking Shorthorn cows
Canadian Dairy Network, August 2015

Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2002	66	906	-189	-12.4	-4.5	-0.07	0.01	99.6	3.05	-1.0	-1.0	-1.1	-0.7	0.0	98.9	99.4	97.2
2003	81	914	-127	-9.6	-2.9	-0.07	0.01	99.9	3.05	-1.2	-1.3	-1.5	-0.7	-0.1	97.9	98.7	98.5
2004	80	995	-134	-9.4	-2.7	-0.06	0.02	99.4	2.99	-0.8	-1.8	-0.7	-0.5	-0.8	99.8	99.5	98.5
2005	94	993	-108	-8.2	-1.5	-0.06	0.03	99.9	3.02	-1.1	-1.9	-0.7	-0.9	-0.9	99.1	99.2	97.6
2006	98	999	-140	-10.5	-3.6	-0.07	0.00	99.5	3.01	0.2	-0.9	-0.0	0.3	0.2	100.2	99.7	98.8
2007	118	1085	-22	-2.6	-0.3	-0.03	0.01	100.2	3.01	0.3	-0.5	0.2	0.2	-0.0	99.5	99.8	99.3
2008	102	1097	30	-1.2	0.6	-0.04	-0.00	100.4	3.02	0.3	-0.4	-0.4	0.4	0.3	99.5	99.9	99.4
2009	89	1179	-20	2.3	-0.4	0.05	0.00	100.8	2.98	1.3	0.2	0.7	1.3	1.4	100.9	100.4	98.8
2010	114	1166	23	4.3	1.1	0.05	0.01	101.4	3.02	0.5	-0.3	0.5	0.6	0.7	100.0	100.6	100.9
2011	91	1262	76	5.3	1.9	0.04	-0.00	101.3	3.00	2.4	1.7	1.5	2.3	2.1	100.5	100.0	100.8
2012	59	1257	20	5.6	0.6	0.08	0.00	101.3	2.99	2.6	1.0	1.9	2.5	2.0	101.4	101.6	.

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.

Provincial genetic trends by birth year for Milking Shorthorn cows
Canadian Dairy Network, August 2015

Manitoba

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2002	13	802	-322	-19.9	-9.5	-0.10	-0.02	98.5	3.04	-0.8	-1.3	-0.5	-0.7	0.2	99.5	99.2	97.8
2003	15	782	-377	-23.7	-10.2	-0.13	-0.01	98.3	3.02	-0.3	-0.9	-1.5	0.2	0.0	98.7	98.1	98.5
2004	7	822	-267	-14.9	-7.4	-0.05	-0.01	96.4	2.98	-2.3	-3.0	-2.1	-1.6	-1.9	99.1	99.8	98.0
2005	17	982	-183	-8.4	-3.5	-0.02	0.03	100.0	2.98	-0.5	-0.8	-2.0	-0.1	-1.7	98.6	98.6	100.8
2006	20	1107	-148	-1.5	-2.4	0.07	0.03	100.3	3.00	0.5	-0.5	0.1	0.5	-0.8	100.1	101.4	98.3
2007	25	1046	-58	-5.7	-3.1	-0.05	-0.03	99.6	2.98	1.3	0.4	-0.7	1.6	0.5	99.2	99.4	99.0
2008	16	1167	-5	1.4	0.4	0.03	0.01	100.3	2.97	0.8	0.6	0.0	0.5	0.7	100.6	102.0	99.0
2009	24	1298	56	9.3	1.7	0.11	0.01	99.8	3.00	3.7	2.6	0.6	3.5	2.5	100.4	100.8	98.0
2010	22	1177	-57	2.2	-2.9	0.08	-0.03	98.8	2.99	3.1	1.3	-0.5	3.6	2.6	100.5	101.0	102.0
2011	27	1301	146	11.8	3.0	0.09	-0.02	100.0	3.00	3.6	3.0	-0.5	3.9	3.3	99.2	.	.
2012	23	1307	13	7.9	1.8	0.12	0.04	100.0	3.00	3.5	2.1	0.1	3.9	2.3	100.4	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.
3. Conformation indexes based on first lactation classifications of each cow.

Provincial genetic trends by birth year for Milking Shorthorn cows
Canadian Dairy Network, August 2015

Alberta

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2002	3	1056	171	-4.0	2.3	-0.18	-0.04	98.3	3.13	0.0	-3.0	-2.3	2.7	1.0	97.7	96.0	95.0
2003	4	999	265	-4.0	3.5	-0.23	-0.07	100.0	3.02	-0.8	0.0	-2.0	0.0	1.0	96.5	97.3	97.0
2004	8	1066	130	0.0	2.5	-0.09	-0.02	101.0	2.99	-1.1	-1.8	-3.3	0.3	-0.8	97.9	98.6	100.0
2005	2	967	-352	-7.0	-7.0	0.13	0.06	95.0	3.06	2.0	1.0	-1.0	2.5	1.0	98.0	99.0	.
2006	5	971	180	-3.2	4.0	-0.16	-0.01	97.8	2.99	-3.4	-1.8	-4.4	-2.4	0.4	97.0	101.0	.
2007	2	1134	264	-2.5	4.0	-0.22	-0.07	99.5	3.01	-2.0	-5.0	0.0	-0.5	-1.0	104.0	.	.
2008	7	1046	93	-4.3	0.9	-0.13	-0.04	98.4	3.06	0.6	-0.1	-0.7	0.3	0.6	100.0	102.5	.
2009	7	1213	-64	-0.3	1.7	0.04	0.08	100.0	3.01	1.3	1.1	0.3	1.7	2.7	101.3	107.0	.
2010	5	1132	51	1.8	1.4	-0.00	0.01	99.0	3.05	1.4	1.0	-0.6	1.6	1.8	99.2	99.0	.
2011	1	1461	248	24.0	3.0	0.21	-0.09	104.0	2.73	0.0	3.0	1.0	-1.0	5.0	105.0	105.0	.
2012	1	1409	525	12.0	11.0	-0.15	-0.05	102.0	2.83	4.0	7.0	1.0	3.0	4.0	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.