

Provincial genetic trends by birth year for Brown Swiss cows
Canadian Dairy Network, August 2011

Nova Scotia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1998	4	-541	125	-6.8	-4.8	-0.15	-0.10	88.0	3.09	-6.3	-2.8	-1.0	-6.3	-1.3	99.3	101.0	97.5
1999	4	-230	-160	-0.8	1.5	0.07	0.09	96.0	2.98	-2.3	-2.0	-2.5	-2.0	0.5	97.5	100.0	97.7
2000	6	-563	211	-8.5	-3.0	-0.20	-0.11	98.0	3.12	-3.2	-1.7	-0.5	-3.8	0.2	96.5	100.2	96.8
2001	5	-165	-142	4.4	-0.8	0.13	0.05	95.4	3.05	-1.8	-0.6	0.0	-3.2	-0.4	98.0	101.0	99.0
2002	10	-429	-172	-13.7	-9.4	-0.08	-0.03	98.2	3.08	-1.0	-1.8	0.0	-1.4	0.6	100.4	101.9	101.4
2003	7	-62	-37	0.4	-1.0	0.02	0.01	100.6	2.96	0.0	1.0	0.6	0.1	1.1	99.6	99.3	100.1
2004	7	-169	-234	-5.7	-5.9	0.05	0.03	95.1	3.07	-0.4	0.3	0.4	-1.0	1.4	100.6	103.0	102.2
2005	7	-92	-139	-0.6	-3.0	0.06	0.03	101.7	2.91	-1.4	-1.6	0.6	-1.6	0.0	100.7	100.2	98.6
2006	11	405	217	6.9	5.4	-0.02	-0.03	97.6	3.06	2.6	3.5	3.4	1.4	2.5	102.4	102.6	101.1
2007	6	14	-109	-6.2	-1.2	-0.02	0.03	100.8	2.81	0.7	0.5	1.7	0.0	1.5	101.8	100.5	100.3
2008	8	328	-50	2.3	1.8	0.05	0.04	97.0	2.97	3.0	2.3	2.3	2.5	4.0	103.3	100.8	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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New Brunswick

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2006	1	629	554	17.0	25.0	-0.07	0.03	100.0	2.99	1.0	2.0	2.0	-1.0	5.0	96.0	97.0	97.0
2007	2	-193	-103	-4.0	3.0	0.01	0.09	102.5	2.98	-0.5	3.0	2.0	-0.5	-6.0	95.0	97.5	95.5
2008	1	358	295	11.0	12.0	-0.01	0.00	107.0	2.82	0.0	-4.0	0.0	-1.0	2.0	100.0	95.0	96.0

Notes:

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Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1998	289	-613	-356	-16.4	-14.8	-0.02	-0.01	94.9	3.09	-2.3	-2.6	0.2	-2.3	-0.2	100.4	101.0	100.2
1999	282	-504	-265	-15.5	-11.4	-0.06	-0.01	94.6	3.06	-2.2	-1.9	-0.7	-2.4	0.2	100.7	102.1	100.6
2000	314	-405	-227	-11.8	-9.5	-0.03	-0.01	95.7	3.02	-2.0	-2.0	-0.3	-2.4	0.5	100.7	101.8	99.8
2001	310	-492	-286	-14.4	-11.5	-0.03	-0.01	95.4	3.06	-1.7	-2.3	0.2	-1.9	0.1	100.4	101.7	100.2
2002	306	-291	-208	-9.1	-7.8	-0.01	0.00	96.3	3.02	-1.0	-1.3	-0.2	-0.9	0.9	101.0	101.5	100.3
2003	366	-126	-188	-7.0	-6.0	0.01	0.02	96.5	3.04	0.5	0.0	0.8	0.3	1.2	101.6	101.9	101.4
2004	350	-49	-112	-3.8	-3.7	0.01	0.01	96.7	3.03	0.4	0.2	1.0	0.0	1.3	101.5	102.1	100.9
2005	338	-17	-83	-3.1	-2.4	0.01	0.01	97.2	3.03	0.4	0.6	1.5	0.0	0.7	101.0	101.3	100.3
2006	357	104	-86	-1.0	-0.2	0.03	0.04	98.1	2.97	0.5	0.5	1.3	0.1	1.4	101.8	102.1	100.8
2007	332	229	-5	2.9	3.1	0.04	0.04	98.8	2.93	1.1	1.2	1.1	0.9	1.3	101.5	100.8	100.6
2008	238	248	-55	2.1	1.8	0.06	0.04	98.2	2.94	1.7	1.3	1.3	1.4	2.0	102.2	101.2	101.7

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
1998	171	-492	-302	-12.6	-10.6	-0.00	0.01	95.9	3.03	-2.5	-2.4	-1.5	-2.3	0.1	100.2	101.2	100.7
1999	187	-426	-177	-11.6	-8.4	-0.05	-0.02	96.1	3.02	-2.4	-2.5	-1.4	-2.3	0.2	100.6	101.8	101.4
2000	255	-202	-116	-3.8	-4.4	0.01	0.00	95.9	2.98	-1.8	-2.0	-1.3	-1.7	1.0	100.8	101.5	99.9
2001	213	-177	-83	-4.4	-1.8	-0.01	0.02	97.5	3.01	-1.3	-1.4	-0.6	-1.4	0.7	100.0	101.2	100.4
2002	266	-13	-21	-0.1	-0.8	0.01	0.00	97.1	2.96	-0.6	-0.8	-0.3	-0.5	1.7	101.2	101.5	100.8
2003	297	115	130	4.6	3.9	-0.00	-0.01	97.8	2.98	-0.2	-0.2	0.1	-0.4	1.6	100.6	101.0	100.3
2004	285	275	144	7.9	6.1	0.03	0.01	97.9	2.98	0.2	0.0	0.4	0.1	1.3	101.3	101.3	100.8
2005	278	244	107	7.1	5.6	0.04	0.02	98.1	2.98	0.3	0.8	1.0	-0.2	1.2	100.8	100.9	100.7
2006	329	345	148	9.7	8.2	0.05	0.03	97.9	2.96	0.3	0.8	0.9	-0.1	1.4	101.1	101.2	100.4
2007	263	471	179	12.2	9.8	0.06	0.03	98.6	2.93	1.2	1.1	0.7	1.1	1.7	101.5	100.9	101.2
2008	246	478	209	11.8	9.5	0.04	0.02	98.9	2.93	1.5	0.9	0.9	1.4	2.2	101.9	100.2	101.4

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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Manitoba

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1998	85	-690	-338	-15.8	-12.4	-0.02	0.01	96.3	3.10	-2.5	-2.4	-1.8	-2.6	0.3	98.5	100.7	98.8
1999	66	-375	-276	-10.3	-7.8	0.01	0.03	97.2	3.00	-0.8	-0.6	-1.2	-0.9	1.2	99.6	101.0	99.4
2000	108	-360	-217	-10.2	-7.5	-0.02	0.01	99.5	2.93	-1.3	-1.6	-1.2	-1.4	1.4	100.3	100.2	99.0
2001	100	-291	-244	-9.3	-6.5	0.01	0.03	98.2	2.98	-0.8	-0.8	-0.8	-1.0	1.5	100.3	101.3	100.2
2002	90	-447	-354	-13.0	-11.5	0.02	0.02	99.6	2.99	-0.6	-0.7	-0.9	-0.3	0.7	99.8	100.5	99.6
2003	88	-117	-77	-2.7	-0.4	0.01	0.03	101.0	2.97	-0.1	0.1	-0.5	-0.1	0.8	98.9	99.7	98.7
2004	77	-55	-15	-1.5	-1.3	-0.01	-0.01	99.5	2.96	0.8	1.0	0.1	0.5	1.4	100.2	99.7	100.3
2005	97	-173	-189	-9.1	-5.9	-0.01	0.02	100.4	2.97	0.8	0.3	0.5	0.8	1.6	100.4	100.3	99.1
2006	97	105	2	-1.6	1.1	-0.02	0.01	100.4	2.94	1.8	1.2	0.9	1.4	3.0	100.8	99.4	99.1
2007	72	76	-131	-3.8	-1.7	0.02	0.04	100.0	2.94	2.3	1.0	0.6	2.4	2.7	101.1	99.4	98.4
2008	49	295	4	3.9	3.0	0.05	0.03	98.8	2.95	2.6	2.7	1.5	1.9	4.1	101.1	100.6	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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Saskatchewan

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1998	2	-804	-588	-12.0	-20.0	0.15	0.02	96.5	2.96	2.5	7.5	-1.0	0.5	4.0	94.5	95.5	93.0
1999	3	-832	-394	-17.0	-19.3	-0.02	-0.06	98.0	3.01	-2.7	-0.7	-3.3	-2.0	0.3	98.0	101.3	98.3
2000	1	-359	98	4.0	-2.0	-0.01	-0.06	104.0	3.04	-4.0	-6.0	-7.0	-3.0	-5.0	97.0	103.0	101.0
2002	1	893	846	26.0	21.0	-0.09	-0.11	107.0	2.80	4.0	1.0	1.0	5.0	1.0	101.0	96.0	96.0
2005	5	-27	38	3.2	6.0	0.02	0.05	94.6	3.06	-1.2	0.8	1.4	-2.0	0.0	98.4	98.2	97.3
2006	2	-571	-456	0.0	-9.0	0.24	0.10	95.0	3.13	-7.0	-4.0	-1.5	-6.5	-0.5	97.5	103.0	.
2007	7	339	238	4.9	8.6	-0.06	-0.01	99.0	3.13	2.6	2.0	4.0	1.9	-0.3	99.7	101.5	102.0
2008	4	621	637	12.5	17.8	-0.16	-0.07	97.0	3.02	2.0	2.0	1.5	2.8	0.3	100.8	.	.

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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Alberta

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1998	24	-1037	-751	-31.8	-25.8	-0.02	0.03	96.0	3.05	-2.5	-2.9	-2.6	-2.2	-0.0	100.4	101.7	99.8
1999	22	-31	-153	-0.4	-2.0	0.07	0.04	95.6	2.95	1.6	1.4	0.7	1.5	4.5	100.4	98.4	97.4
2000	39	-428	-326	-14.5	-10.7	-0.01	0.02	96.1	2.96	-1.9	-1.9	-1.5	-1.7	1.9	101.5	101.9	99.8
2001	25	-195	146	-1.0	1.7	-0.08	-0.04	96.8	2.98	-1.5	-1.0	-1.8	-1.4	0.9	98.8	99.3	97.7
2002	24	-319	-4	-8.3	-3.8	-0.09	-0.04	95.8	3.02	-1.3	-0.6	-2.3	-0.9	1.0	99.5	100.0	98.8
2003	47	29	83	1.4	1.8	-0.02	-0.01	96.9	2.99	0.0	-0.4	-0.2	-0.3	1.8	100.7	100.2	99.8
2004	59	551	387	13.8	14.4	-0.02	-0.00	99.8	2.93	0.3	-0.1	0.4	0.2	1.5	101.8	102.3	100.4
2005	42	397	582	12.8	14.8	-0.12	-0.07	99.3	2.94	-0.2	1.2	-1.0	-0.3	3.2	99.8	100.5	98.3
2006	53	518	451	13.3	14.2	-0.05	-0.03	99.0	2.91	0.2	1.4	-0.9	0.0	2.4	101.2	102.3	101.6
2007	28	169	23	1.5	1.7	0.02	0.01	98.9	2.93	0.4	0.6	0.1	-0.3	2.7	102.3	103.0	103.3
2008	25	527	463	13.9	13.9	-0.06	-0.04	99.4	2.92	1.0	1.3	0.8	0.8	3.2	101.0	99.0	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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British Columbia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1998	18	-807	-273	-20.6	-14.4	-0.12	-0.04	97.4	3.03	-4.5	-4.3	-2.2	-3.9	-2.6	99.2	101.2	99.4
1999	10	-469	-332	-14.1	-7.8	-0.00	0.06	100.7	2.84	-4.3	-4.8	-2.7	-3.3	-0.8	101.0	101.4	101.2
2000	18	-387	-375	-11.3	-10.0	0.05	0.05	96.3	3.01	-3.2	-3.5	-0.3	-2.7	-0.5	101.4	104.7	106.0
2001	3	-676	-580	-7.7	-10.7	0.19	0.13	96.7	3.21	-5.0	-5.0	-2.3	-3.7	-4.7	96.3	101.5	103.0
2002	6	253	96	7.3	6.7	0.03	0.04	98.0	2.97	-0.5	-1.3	1.5	-1.0	1.7	101.3	102.3	100.0
2003	12	125	235	8.4	4.5	-0.01	-0.05	97.2	2.97	-2.5	-1.8	0.0	-2.3	0.9	101.1	102.7	101.0
2004	18	-249	-202	-6.9	-6.0	0.02	0.02	100.1	2.94	-0.4	-0.1	0.1	-0.8	0.7	99.9	100.2	99.0
2005	6	109	-146	-2.7	0.8	0.04	0.07	99.0	3.07	3.3	4.8	2.0	3.0	0.5	99.5	99.0	100.0
2006	18	105	-77	1.1	-2.0	0.05	0.01	100.9	2.88	1.1	-0.1	-0.4	1.7	1.7	101.5	102.6	102.2
2007	30	-147	-380	-12.3	-9.4	0.03	0.06	99.8	2.94	2.7	1.7	1.9	2.1	3.8	101.5	100.0	97.5
2008	16	-218	-302	-13.0	-8.9	-0.02	0.03	100.6	3.03	2.4	1.3	2.1	1.8	4.1	100.3	101.7	105.5

Notes:

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