

Provincial genetic trends by birth year for Brown Swiss cows
Canadian Dairy Network, August 2010

Nova Scotia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1997	2	-533	-159	-17.5	-9.5	-0.10	-0.03	97.0	3.09	0.0	1.0	0.5	0.0	0.0	97.0	99.5	96.0
1998	4	-429	170	-4.3	-2.8	-0.14	-0.10	88.5	3.08	-5.5	-1.8	-1.3	-5.5	-1.3	99.5	101.3	99.5
1999	4	-140	-103	1.8	3.0	0.08	0.09	96.5	2.96	-1.8	-1.0	-2.8	-1.0	0.5	97.8	99.5	99.3
2000	6	-424	272	-5.3	-0.5	-0.19	-0.12	98.2	3.11	-2.3	-0.7	-0.3	-2.8	0.2	96.7	100.0	98.0
2001	5	-48	-80	7.0	1.4	0.13	0.05	96.0	3.04	-1.0	0.0	0.2	-2.6	-0.4	98.8	101.4	100.3
2002	10	-269	-89	-11.1	-6.6	-0.08	-0.03	99.0	3.08	-0.5	-0.8	-0.1	-0.6	0.9	100.8	101.9	102.5
2003	7	55	41	3.4	1.7	0.02	0.01	101.3	2.95	0.4	1.6	0.3	0.7	1.0	99.7	99.1	100.6
2004	7	-55	-163	-3.4	-3.7	0.04	0.03	95.7	3.09	0.4	1.0	0.3	-0.3	1.7	101.1	103.0	102.6
2005	7	8	-76	1.0	-0.7	0.05	0.03	101.7	2.91	-0.9	-1.0	0.3	-0.7	-0.3	101.0	100.3	98.8
2006	11	459	255	7.7	6.6	-0.03	-0.03	97.5	3.07	3.2	4.5	3.3	2.4	2.4	102.2	102.8	102.4
2007	6	147	-149	-0.8	-1.2	0.07	0.06	102.0	2.81	1.2	1.3	1.7	0.7	1.3	102.0	101.0	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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New Brunswick

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2006	1	784	276	24.0	25.0	0.14	0.14	100.0	2.92	1.0	3.0	1.0	0.0	6.0	98.0	97.0	.
2007	2	114	199	2.5	10.0	-0.07	0.03	103.0	3.01	0.0	3.5	2.5	0.0	-6.5	97.0	97.0	97.0

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
1997	282	-722	-383	-20.0	-16.6	-0.06	-0.02	94.7	3.10	-3.1	-3.4	-1.3	-2.8	-1.2	99.8	101.4	100.6
1998	289	-452	-293	-13.7	-12.4	-0.02	-0.01	95.3	3.09	-1.6	-1.6	0.2	-1.5	-0.1	100.7	101.0	101.0
1999	282	-342	-201	-12.6	-8.9	-0.05	-0.01	95.1	3.06	-1.5	-1.0	-0.9	-1.5	0.3	101.1	102.3	101.7
2000	312	-257	-166	-9.1	-7.2	-0.03	-0.01	96.2	3.02	-1.3	-1.2	-0.2	-1.6	0.5	101.2	101.8	100.7
2001	310	-356	-229	-11.9	-9.3	-0.03	-0.00	95.9	3.06	-1.2	-1.4	0.2	-1.2	0.2	100.7	101.5	101.0
2002	303	-176	-149	-6.6	-5.5	-0.00	0.01	96.7	3.02	-0.4	-0.5	-0.4	-0.2	0.9	101.2	101.3	100.9
2003	360	2	-121	-4.4	-3.5	0.01	0.01	96.9	3.04	1.1	0.8	0.6	0.9	1.2	101.9	102.0	102.3
2004	346	56	-54	-1.5	-1.6	0.01	0.01	97.0	3.03	1.0	0.9	0.7	0.8	1.4	101.7	102.0	101.5
2005	327	81	-22	-1.0	-0.1	0.00	0.01	97.6	3.04	1.1	1.2	1.3	0.8	0.7	101.1	101.3	100.8
2006	345	215	-25	1.9	2.1	0.04	0.04	98.3	2.97	1.2	1.3	1.3	0.8	1.6	102.0	102.0	101.5
2007	258	315	38	4.6	4.3	0.04	0.03	98.3	2.93	2.0	2.0	1.1	1.9	1.7	102.0	101.0	101.1

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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Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1997	198	-545	-307	-14.0	-13.1	-0.02	-0.01	95.5	3.08	-2.2	-2.3	-1.2	-1.9	-0.2	100.0	101.1	100.5
1998	171	-359	-236	-9.8	-8.1	0.00	0.01	96.4	3.03	-1.7	-1.6	-1.7	-1.5	0.3	100.3	101.2	101.4
1999	187	-280	-107	-8.6	-5.9	-0.05	-0.02	96.6	3.02	-1.7	-1.7	-1.6	-1.5	0.3	100.8	101.9	102.1
2000	255	-77	-54	-1.3	-2.1	0.01	0.00	96.5	2.97	-1.0	-1.1	-1.3	-0.9	1.2	101.1	101.4	100.6
2001	211	-58	-12	-1.5	0.9	-0.01	0.02	97.9	3.01	-0.6	-0.6	-0.7	-0.7	0.7	100.2	101.0	101.0
2002	263	100	46	2.5	1.7	0.01	0.00	97.6	2.96	0.1	-0.0	-0.3	0.3	1.8	101.5	101.4	101.5
2003	294	218	189	7.1	6.2	-0.00	-0.01	98.3	2.98	0.5	0.5	-0.0	0.4	1.6	101.0	101.1	101.2
2004	279	369	214	10.7	8.7	0.03	0.01	98.4	2.97	0.8	0.7	0.3	0.8	1.4	101.5	101.1	101.6
2005	270	316	155	9.0	7.3	0.04	0.02	98.2	2.98	0.8	1.4	0.8	0.5	1.3	101.1	101.0	101.1
2006	318	416	202	12.1	10.0	0.05	0.03	97.9	2.96	1.0	1.5	0.9	0.7	1.6	101.3	100.9	101.1
2007	213	504	203	12.7	10.7	0.06	0.03	98.7	2.94	2.1	2.0	0.9	2.0	2.1	101.6	101.1	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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Manitoba

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1997	88	-651	-431	-19.9	-15.8	-0.03	0.01	97.5	3.06	-2.3	-2.3	-1.8	-1.8	-0.7	100.1	102.1	100.8
1998	85	-545	-271	-13.0	-10.1	-0.02	0.01	96.7	3.10	-1.8	-1.4	-1.7	-1.8	0.4	98.6	100.6	99.4
1999	66	-232	-201	-7.5	-5.2	0.01	0.03	97.7	3.00	0.1	0.2	-1.1	-0.0	1.3	99.8	100.8	99.8
2000	108	-215	-145	-7.3	-4.9	-0.02	0.01	100.0	2.93	-0.5	-0.7	-1.2	-0.5	1.6	100.6	100.0	99.6
2001	100	-158	-171	-6.3	-3.9	0.01	0.03	98.6	2.98	-0.1	-0.1	-0.8	-0.2	1.6	100.4	101.3	100.9
2002	90	-298	-283	-9.9	-8.9	0.02	0.02	99.9	2.99	0.2	0.1	-0.9	0.5	0.9	100.0	100.2	100.0
2003	88	-8	-8	0.1	2.1	0.01	0.03	101.4	2.97	0.6	0.8	-0.6	0.6	0.9	99.0	99.7	99.4
2004	76	62	55	1.0	1.4	-0.01	-0.01	99.8	2.96	1.7	1.8	0.3	1.3	1.6	100.2	99.4	100.7
2005	97	-67	-117	-7.1	-3.8	-0.03	0.01	100.4	2.97	1.5	1.1	0.4	1.6	1.6	100.5	100.3	98.7
2006	95	227	71	1.6	3.4	-0.01	0.01	100.3	2.94	2.6	1.8	1.0	2.1	3.1	101.1	99.6	100.3
2007	63	234	8	1.1	2.0	0.01	0.02	100.2	2.96	3.0	1.7	0.7	3.2	2.5	101.1	99.6	98.3

Notes:

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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
1997	2	-1043	-1020	-22.5	-29.5	0.26	0.12	98.5	3.09	-4.5	-5.0	-4.0	-2.5	-2.0	99.0	101.0	101.0
1998	2	-692	-511	-9.0	-18.0	0.15	0.02	97.0	2.96	2.5	7.5	-1.5	1.0	4.0	94.5	95.0	94.0
1999	3	-672	-322	-14.0	-16.3	-0.02	-0.05	98.7	3.00	-2.0	0.0	-3.3	-1.0	0.7	98.0	100.7	99.3
2000	1	-318	168	6.0	0.0	-0.01	-0.07	104.0	3.03	-4.0	-5.0	-8.0	-3.0	-5.0	97.0	103.0	101.0
2002	1	781	871	27.0	22.0	-0.09	-0.12	107.0	2.79	4.0	1.0	0.0	5.0	1.0	100.0	95.0	97.0
2005	5	324	565	11.4	18.8	-0.13	-0.03	96.0	3.10	-0.2	1.2	1.6	-0.2	-0.8	98.4	98.2	97.3
2006	2	-77	4	14.0	5.5	0.18	0.07	97.5	3.13	-6.5	-3.0	-1.0	-5.5	0.0	97.5	104.0	.
2007	2	-52	-4	5.5	0.0	0.07	0.00	100.0	3.01	-1.0	-1.0	0.5	-1.5	0.0	99.5	.	.

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
1997	20	-920	-390	-29.0	-20.1	-0.17	-0.06	96.7	3.05	-3.8	-2.5	-2.9	-3.3	-1.9	99.8	102.9	100.9
1998	24	-860	-689	-29.1	-23.5	-0.02	0.03	96.5	3.05	-1.6	-2.1	-2.7	-1.2	-0.1	100.6	101.6	100.5
1999	22	97	-93	2.3	0.2	0.08	0.05	96.0	2.95	2.5	2.1	0.9	2.2	4.6	100.9	98.3	98.2
2000	39	-269	-262	-11.5	-8.2	-0.01	0.02	96.6	2.96	-1.0	-1.1	-1.4	-0.8	2.2	101.8	101.8	100.3
2001	25	-96	211	1.9	4.2	-0.08	-0.04	97.4	2.97	-0.7	-0.1	-2.1	-0.7	0.8	98.8	99.1	98.7
2002	24	-197	59	-5.5	-1.3	-0.09	-0.03	96.3	3.02	-0.3	0.4	-2.6	-0.2	1.4	99.7	99.9	99.6
2003	47	144	139	4.2	4.0	-0.01	-0.01	97.2	3.00	0.8	0.4	-0.4	0.8	2.0	101.0	100.2	100.9
2004	57	627	430	16.4	16.1	-0.01	-0.00	100.0	2.92	1.2	0.9	0.4	1.2	1.4	102.3	102.3	101.5
2005	42	429	553	14.0	14.6	-0.09	-0.07	100.1	2.91	0.6	2.1	-1.2	0.5	3.1	100.2	101.2	100.4
2006	52	511	485	14.2	14.6	-0.06	-0.04	99.7	2.91	1.2	2.3	-0.9	1.1	2.2	101.2	102.6	102.8
2007	26	187	-26	1.0	1.8	0.03	0.03	98.8	2.96	1.4	1.9	0.7	1.0	2.7	101.9	103.4	102.6

Notes:

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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
1997	14	-766	-361	-21.8	-15.6	-0.09	-0.02	101.6	2.99	-4.6	-4.8	-3.5	-2.8	-2.6	100.0	101.6	99.5
1998	18	-661	-210	-17.9	-12.1	-0.12	-0.04	97.7	3.03	-3.6	-3.2	-2.2	-3.1	-2.5	99.3	101.1	100.4
1999	10	-334	-270	-11.9	-5.1	-0.01	0.06	101.0	2.84	-3.4	-3.7	-2.8	-2.3	-0.7	101.1	101.3	101.8
2000	18	-240	-303	-8.2	-7.4	0.05	0.05	96.8	3.01	-2.5	-2.6	-0.3	-1.8	-0.4	101.8	104.5	107.2
2001	3	-581	-481	-4.0	-7.3	0.20	0.13	97.0	3.21	-4.7	-4.0	-3.0	-3.0	-5.0	95.3	101.0	103.0
2002	5	294	190	7.6	8.0	0.00	0.01	97.8	2.95	0.2	-0.6	1.2	-0.2	2.0	102.2	103.0	100.7
2003	12	207	300	11.0	6.8	-0.01	-0.05	97.3	2.96	-1.9	-1.2	-0.2	-1.5	1.0	101.1	102.6	102.3
2004	16	-105	-134	-5.2	-3.7	0.01	0.02	100.1	2.93	0.8	1.2	0.4	0.4	1.3	100.3	99.4	99.0
2005	4	217	-49	5.5	4.3	0.09	0.07	98.8	3.05	3.5	6.0	1.8	2.3	0.3	99.0	98.0	99.0
2006	16	147	-6	3.6	0.1	0.05	-0.00	100.8	2.89	1.6	0.6	-1.2	2.5	2.0	101.1	101.7	100.7
2007	25	-147	-395	-13.1	-9.3	0.04	0.06	99.2	2.97	2.8	1.9	1.5	2.2	3.8	101.4	100.0	.

Notes:

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