

Provincial genetic trends by birth year for Brown Swiss cows
Canadian Dairy Network, August 2013

Nova Scotia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2000	6	488	168	-11.3	-6.3	-0.22	-0.13	97.7	3.14	-4.0	-2.3	-0.8	-4.8	0.2	97.0	100.3	96.8
2001	5	679	-169	2.0	-3.8	0.11	0.03	95.0	3.08	-2.6	-1.2	0.0	-4.4	-1.0	98.4	101.4	98.2
2002	10	522	-204	-16.9	-12.8	-0.10	-0.05	97.5	3.12	-1.8	-2.4	-0.4	-2.5	0.7	99.8	102.0	100.9
2003	7	711	-102	-3.9	-5.0	0.00	-0.01	100.3	2.99	-0.3	0.7	0.0	-0.4	1.3	99.7	99.6	100.0
2004	7	683	-277	-7.4	-8.6	0.05	0.02	94.6	3.11	-0.9	0.4	-0.1	-1.6	2.0	100.6	103.0	101.2
2005	7	697	-158	-3.4	-6.3	0.04	0.00	101.7	2.95	-2.3	-2.0	0.6	-2.6	0.0	99.9	100.6	96.8
2006	12	935	126	2.7	1.3	-0.03	-0.04	97.2	3.10	2.3	3.9	3.7	0.8	2.3	101.4	102.7	100.1
2007	6	778	-68	-6.7	-1.7	-0.05	0.01	102.0	2.81	0.0	0.7	1.2	-1.3	1.2	100.5	101.0	99.2
2008	7	937	-108	2.4	0.7	0.08	0.06	95.7	3.00	2.0	2.4	2.7	1.0	3.1	101.7	100.6	101.7
2009	9	951	-21	6.4	3.6	0.09	0.05	99.2	2.95	1.9	2.2	1.9	1.1	3.3	101.0	99.4	101.4
2010	10	892	-112	-0.1	0.7	0.05	0.04	100.8	2.98	3.5	3.0	2.4	3.0	1.5	100.3	96.3	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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New Brunswick

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2006	1	1176	561	19.0	24.0	-0.06	0.01	99.0	3.04	1.0	0.0	2.0	0.0	4.0	98.0	98.0	96.0
2007	2	662	-114	-6.0	2.0	-0.02	0.07	101.5	3.01	-1.0	1.5	2.0	-1.5	-6.5	94.5	97.0	94.0
2008	1	993	469	15.0	13.0	-0.04	-0.05	104.0	2.89	-1.0	-6.0	0.0	-1.0	1.0	99.0	95.0	94.0
2010	1	1149	104	15.0	14.0	0.13	0.11	103.0	2.70	3.0	1.0	1.0	0.0	6.0	102.0	101.0	100.0

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
2000	314	551	-261	-14.7	-12.7	-0.05	-0.03	95.2	3.05	-2.7	-2.4	-0.7	-3.1	0.7	100.4	102.0	99.7
2001	312	505	-317	-17.3	-14.5	-0.05	-0.03	94.8	3.10	-2.5	-2.6	-0.2	-2.9	0.3	100.0	101.9	99.7
2002	311	601	-239	-12.2	-11.0	-0.03	-0.02	95.7	3.05	-1.7	-1.6	-0.7	-1.7	1.0	100.6	101.8	100.0
2003	369	680	-224	-10.2	-9.3	-0.01	-0.01	96.1	3.08	-0.2	-0.2	0.2	-0.5	1.2	101.0	102.2	100.9
2004	354	719	-147	-7.0	-7.0	-0.01	-0.01	96.3	3.07	-0.3	0.1	0.5	-0.7	1.5	100.8	102.3	100.2
2005	354	731	-121	-6.7	-5.9	-0.02	-0.01	96.8	3.06	-0.2	0.4	1.1	-0.7	0.7	100.4	101.5	99.6
2006	374	789	-137	-4.6	-3.5	0.02	0.02	97.7	3.00	-0.2	0.3	0.9	-0.7	1.5	101.1	102.3	100.1
2007	353	861	-49	-0.1	0.2	0.03	0.03	98.8	2.96	0.2	0.6	0.7	-0.2	1.2	101.0	101.3	100.4
2008	336	891	-100	-0.7	-0.6	0.04	0.04	98.3	2.96	1.2	0.9	1.2	0.9	2.2	101.9	101.3	100.8
2009	343	887	-45	-0.8	-0.8	0.02	0.01	97.6	2.98	1.4	1.2	0.9	1.3	1.5	101.6	101.3	100.0
2010	267	1024	118	5.3	5.6	0.01	0.01	97.9	2.97	2.1	1.5	1.5	2.1	1.6	102.4	101.8	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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Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2000	256	643	-157	-7.2	-7.9	-0.01	-0.02	95.5	3.01	-2.5	-2.3	-1.7	-2.4	1.3	100.5	101.8	99.8
2001	215	658	-121	-7.5	-5.1	-0.03	-0.00	96.9	3.05	-2.0	-1.7	-1.1	-2.2	0.7	99.7	101.4	100.2
2002	273	736	-55	-3.4	-4.1	-0.01	-0.02	96.7	2.99	-1.3	-1.1	-0.9	-1.3	1.9	100.7	101.9	100.5
2003	301	807	92	1.5	0.7	-0.02	-0.03	97.5	3.02	-0.9	-0.5	-0.4	-1.2	1.7	100.1	101.3	99.9
2004	286	877	108	4.6	2.8	0.01	-0.01	97.5	3.01	-0.4	-0.2	-0.1	-0.6	1.3	100.7	101.3	100.2
2005	280	868	80	4.3	2.8	0.02	-0.00	97.6	3.02	-0.4	0.5	0.6	-1.1	1.1	100.2	101.2	99.9
2006	335	910	102	6.5	5.1	0.03	0.01	97.6	3.00	-0.4	0.4	0.5	-0.9	1.4	100.4	101.2	99.7
2007	279	983	135	9.1	6.8	0.04	0.02	98.7	2.97	0.6	0.8	0.4	0.3	1.5	101.0	101.0	100.6
2008	306	992	138	8.4	6.3	0.04	0.01	99.0	2.95	0.8	0.5	0.9	0.6	2.2	101.6	100.8	101.0
2009	263	1021	179	8.5	6.8	0.02	0.00	99.0	2.94	1.6	1.0	0.9	1.3	2.1	101.8	101.0	100.8
2010	225	1090	224	12.5	10.8	0.04	0.02	99.2	2.91	1.6	0.9	1.0	1.6	2.2	101.8	100.6	101.3

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
2000	108	575	-254	-13.2	-10.8	-0.03	-0.01	99.1	2.97	-2.0	-2.0	-1.7	-2.0	1.5	100.1	100.7	99.1
2001	100	595	-285	-12.6	-9.9	-0.01	0.01	97.9	3.02	-1.6	-1.4	-1.4	-1.7	1.4	99.9	101.7	99.9
2002	90	536	-388	-15.7	-14.6	0.00	0.00	99.1	3.03	-1.2	-1.1	-1.3	-1.1	0.9	99.7	101.1	99.9
2003	88	690	-120	-5.9	-3.8	-0.01	0.01	100.7	3.01	-0.9	-0.3	-1.0	-0.9	0.9	98.7	100.5	99.0
2004	78	729	-59	-4.5	-4.5	-0.02	-0.02	99.3	2.99	0.2	0.7	-0.2	-0.2	1.6	99.9	100.3	100.1
2005	97	652	-244	-12.3	-9.4	-0.02	0.00	100.2	3.01	0.3	0.0	0.1	0.1	1.4	99.7	100.3	98.8
2006	98	792	-60	-4.6	-2.4	-0.02	0.00	100.3	2.99	1.2	0.8	0.5	0.8	2.5	100.1	99.6	99.5
2007	79	793	-172	-6.9	-4.7	0.01	0.02	99.8	3.00	2.0	0.9	0.4	1.9	2.5	100.7	100.2	100.8
2008	84	861	-83	-0.1	-1.8	0.04	0.02	100.4	2.98	1.7	1.6	0.5	1.3	3.8	100.6	101.1	101.1
2009	71	843	-104	-3.9	-4.1	0.01	0.00	100.3	2.97	2.3	1.0	1.4	1.8	3.2	101.3	101.6	100.8
2010	46	825	-120	-4.5	-5.0	0.01	-0.00	101.9	2.97	2.4	1.5	1.3	2.0	2.7	100.8	102.5	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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Saskatchewan

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2000	1	601	50	0.0	-5.0	-0.03	-0.08	103.0	3.07	-5.0	-5.0	-7.0	-4.0	-4.0	98.0	103.0	101.0
2002	1	1106	761	21.0	16.0	-0.11	-0.13	107.0	2.86	3.0	0.0	0.0	4.0	1.0	99.0	95.0	97.0
2005	6	789	49	1.0	3.5	-0.01	0.02	94.7	3.09	-0.8	1.0	1.3	-2.3	1.0	98.8	99.2	96.8
2006	2	522	-442	-1.0	-11.0	0.22	0.07	94.5	3.16	-7.0	-4.5	-1.5	-6.5	-0.5	97.5	101.0	94.0
2007	7	918	161	0.4	5.4	-0.07	-0.01	98.1	3.17	1.7	1.7	3.7	1.1	-0.3	99.4	101.8	100.0
2008	4	878	395	4.5	3.0	-0.14	-0.13	101.0	3.04	0.0	2.3	0.5	-0.8	0.5	99.3	103.7	.
2009	2	903	266	9.5	5.5	-0.01	-0.05	94.5	3.13	-0.5	-2.5	0.0	0.0	-0.5	100.0	.	.
2010	1	1322	1156	33.0	26.0	-0.16	-0.19	97.0	2.92	2.0	7.0	4.0	1.0	5.0	100.0	.	.

Notes:

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2. Production in kg EBV units and conformation in EBV points.
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Alberta

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2000	40	539	-357	-17.3	-13.9	-0.03	-0.00	95.6	2.99	-2.5	-2.2	-2.0	-2.3	2.2	101.2	102.1	99.9
2001	25	657	98	-4.0	-2.1	-0.10	-0.06	96.1	3.02	-2.1	-1.2	-2.4	-2.1	1.0	98.8	99.9	98.2
2002	24	586	-63	-12.3	-7.5	-0.11	-0.05	95.6	3.06	-1.8	-1.3	-2.9	-1.7	1.3	99.4	100.6	98.6
2003	47	749	19	-2.7	-2.4	-0.04	-0.03	96.6	3.03	-0.7	-0.9	-0.8	-0.9	1.9	100.3	100.6	99.2
2004	59	988	331	10.9	10.9	-0.03	-0.02	99.6	2.98	-0.6	-0.1	-0.2	-0.7	1.7	100.5	101.3	99.4
2005	44	935	528	9.0	11.6	-0.14	-0.09	99.0	2.97	-1.0	0.6	-1.7	-1.2	3.4	99.5	100.2	96.6
2006	55	983	430	9.4	11.0	-0.09	-0.06	98.5	2.96	-0.5	0.8	-1.1	-0.6	2.4	100.4	101.5	100.2
2007	29	785	-71	-5.1	-4.1	-0.02	-0.01	98.0	2.99	-0.6	-0.1	0.2	-1.1	2.5	101.7	103.3	101.8
2008	28	1000	435	9.4	11.0	-0.10	-0.06	100.0	2.95	0.9	0.8	0.6	0.8	3.4	99.9	98.8	98.9
2009	37	952	257	5.4	7.9	-0.06	-0.02	99.8	2.96	-0.1	0.6	-0.5	-0.1	1.8	100.5	100.3	101.3
2010	12	989	486	4.6	7.0	-0.16	-0.11	97.9	2.96	0.8	1.0	0.3	1.0	2.3	102.2	104.8	99.0

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
2000	18	539	-395	-14.2	-12.9	0.03	0.03	95.9	3.04	-4.1	-4.0	-0.9	-3.7	-0.5	100.5	104.7	104.4
2001	3	399	-628	-12.0	-14.7	0.17	0.10	96.3	3.24	-6.0	-5.7	-2.7	-4.3	-4.3	96.3	101.5	102.0
2002	8	850	59	2.3	1.9	-0.02	0.00	97.0	3.03	-0.8	-0.4	0.4	-1.0	1.5	100.5	102.4	100.0
2003	12	804	190	4.8	0.8	-0.03	-0.07	96.7	3.00	-3.3	-2.3	-0.7	-2.9	1.3	100.8	103.3	101.0
2004	18	624	-268	-11.1	-10.2	0.01	0.00	100.1	2.97	-0.7	-0.2	-0.2	-1.3	1.3	99.8	101.0	97.8
2005	6	738	-249	-8.0	-5.2	0.02	0.05	98.8	3.12	2.8	3.8	1.8	1.8	0.3	98.3	100.0	98.0
2006	19	795	-135	-1.6	-5.1	0.05	0.00	101.0	2.93	0.7	0.2	-0.7	0.9	1.8	100.5	101.3	100.7
2007	32	703	-364	-13.2	-10.8	0.01	0.03	100.6	2.99	2.1	1.3	1.1	1.5	3.4	100.7	99.8	97.0
2008	20	770	-216	-10.4	-7.1	-0.02	0.02	101.5	3.06	2.7	2.4	2.1	2.1	3.7	100.4	102.4	102.5
2009	29	898	16	-3.5	-2.1	-0.04	-0.03	103.4	2.95	3.7	3.8	2.4	3.0	3.2	100.7	101.9	101.6
2010	30	925	-21	3.5	-1.8	0.05	-0.02	102.5	2.95	3.4	3.9	2.0	3.1	3.2	100.5	.	.

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.