

**Provincial genetic trends by birth year for Brown Swiss cows**  
**Canadian Dairy Network, August 2012**

**Nova Scotia**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1999	4	-228	-189	-2.8	-0.5	0.06	0.08	95.0	2.99	-3.0	-1.8	-3.0	-2.5	0.8	98.0	100.0	97.7
2000	6	-553	175	-10.3	-4.7	-0.21	-0.12	97.2	3.13	-3.5	-1.8	-0.7	-4.3	0.0	96.5	100.0	96.3
2001	5	-174	-168	3.0	-2.0	0.12	0.05	94.8	3.07	-2.0	-0.8	0.0	-4.0	-1.2	97.8	101.0	98.4
2002	10	-426	-188	-15.5	-10.8	-0.09	-0.04	97.3	3.11	-1.3	-2.3	-0.2	-1.8	0.6	100.2	101.9	100.8
2003	7	-109	-94	-2.9	-3.6	0.01	0.01	99.7	2.97	-0.1	0.9	0.0	0.0	1.1	99.6	98.9	99.7
2004	7	-142	-274	-6.6	-7.6	0.06	0.03	94.7	3.09	-0.4	0.6	-0.1	-1.3	1.6	100.9	103.0	101.4
2005	7	-90	-142	-2.1	-4.3	0.05	0.01	101.3	2.93	-2.0	-1.7	0.6	-2.3	-0.1	100.1	100.6	97.8
2006	12	328	138	3.8	2.7	-0.02	-0.03	96.8	3.08	2.6	4.0	3.3	1.2	2.0	101.5	101.8	99.9
2007	6	59	-98	-6.3	-1.0	-0.03	0.03	100.3	2.82	0.3	1.2	1.3	-0.7	1.0	101.5	100.3	99.0
2008	7	210	-150	0.1	-0.9	0.08	0.06	95.9	2.95	1.6	2.1	1.7	0.6	2.6	101.7	100.3	101.7
2009	7	86	-124	-0.1	-0.4	0.06	0.05	97.0	2.97	0.9	1.6	1.6	-0.4	2.1	100.9	98.5	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
2006	1	645	531	17.0	24.0	-0.06	0.03	99.0	3.02	1.0	0.0	1.0	-1.0	3.0	97.0	97.0	98.0
2007	2	-236	-139	-5.5	2.0	0.00	0.09	101.5	2.99	-1.0	1.5	2.0	-1.0	-7.0	94.0	96.5	93.5
2008	1	430	458	15.0	13.0	-0.05	-0.04	104.0	2.85	-1.0	-5.0	0.0	-1.0	1.0	100.0	94.0	95.0

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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**Quebec**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1999	283	-504	-294	-17.4	-13.1	-0.07	-0.02	93.7	3.08	-2.6	-1.8	-1.1	-2.9	0.2	100.5	102.1	100.3
2000	314	-406	-257	-13.8	-11.3	-0.04	-0.02	94.9	3.04	-2.3	-1.9	-0.6	-2.7	0.4	100.6	101.7	99.7
2001	312	-496	-312	-16.2	-13.1	-0.04	-0.01	94.5	3.08	-2.2	-2.0	-0.2	-2.4	-0.0	100.1	101.5	99.9
2002	309	-295	-233	-11.0	-9.5	-0.02	-0.00	95.5	3.04	-1.2	-1.0	-0.6	-1.3	0.8	100.8	101.4	100.1
2003	368	-131	-221	-9.1	-8.0	0.00	0.01	95.8	3.06	0.3	0.3	0.5	-0.0	1.1	101.5	101.9	101.1
2004	353	-58	-143	-5.9	-5.6	0.00	-0.00	96.0	3.05	0.2	0.4	0.6	-0.3	1.3	101.3	102.0	100.4
2005	347	-50	-121	-5.7	-4.7	-0.01	0.00	96.5	3.05	0.2	0.7	1.1	-0.3	0.6	100.8	101.3	99.7
2006	368	77	-132	-3.5	-2.3	0.03	0.03	97.3	2.99	0.3	0.7	1.0	-0.2	1.4	101.6	101.9	100.3
2007	342	200	-63	-0.2	0.5	0.03	0.03	98.5	2.94	0.9	1.1	0.9	0.5	1.3	101.7	100.9	100.2
2008	326	244	-120	-0.7	-0.4	0.05	0.05	98.1	2.94	1.6	1.2	1.1	1.3	2.0	102.4	101.0	101.0
2009	267	243	-39	-0.7	-0.0	0.02	0.02	97.6	2.96	1.8	1.3	1.0	1.7	1.5	102.1	101.2	100.5

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.

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**Ontario**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1999	188	-432	-208	-13.5	-10.2	-0.06	-0.02	95.3	3.04	-2.7	-2.3	-1.8	-2.7	0.1	100.3	101.8	101.0
2000	255	-213	-150	-6.0	-6.3	0.00	-0.00	95.1	3.00	-2.1	-1.8	-1.6	-2.0	1.0	100.7	101.5	100.0
2001	213	-189	-117	-6.4	-3.7	-0.02	0.01	96.7	3.03	-1.6	-1.3	-0.9	-1.8	0.4	99.8	101.2	100.3
2002	270	-33	-51	-2.3	-2.7	-0.00	-0.01	96.3	2.98	-0.9	-0.7	-0.7	-0.9	1.6	101.1	101.5	100.6
2003	299	106	96	2.6	2.0	-0.01	-0.02	97.0	3.00	-0.5	-0.1	-0.2	-0.7	1.5	100.5	101.1	100.1
2004	285	254	115	6.0	4.2	0.02	0.00	97.2	2.99	0.0	0.2	0.1	-0.2	1.1	101.1	101.2	100.3
2005	280	218	77	5.0	3.7	0.03	0.01	97.4	3.00	0.0	0.8	0.7	-0.6	1.0	100.6	100.9	100.1
2006	332	314	104	7.5	6.1	0.04	0.03	97.3	2.98	0.1	0.8	0.5	-0.4	1.2	100.9	101.1	100.0
2007	271	452	139	9.9	7.7	0.05	0.03	98.3	2.94	0.9	1.0	0.4	0.8	1.5	101.6	101.0	100.9
2008	295	434	121	8.4	6.4	0.05	0.02	98.7	2.93	1.2	0.7	0.7	1.1	2.0	102.1	100.6	101.2
2009	211	526	157	9.3	7.8	0.04	0.02	98.8	2.93	1.9	1.2	0.8	1.7	2.0	102.4	101.4	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.
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
1999	66	-363	-306	-12.3	-9.7	0.00	0.02	96.4	3.02	-0.9	-0.3	-1.3	-1.1	1.1	99.6	101.1	99.7
2000	108	-350	-245	-12.2	-9.2	-0.03	0.00	98.9	2.95	-1.6	-1.5	-1.5	-1.6	1.3	100.2	100.4	99.2
2001	100	-304	-278	-11.5	-8.5	-0.00	0.03	97.5	3.00	-1.2	-0.9	-1.2	-1.3	1.1	100.1	101.5	100.2
2002	90	-442	-384	-15.0	-13.3	0.01	0.02	98.9	3.02	-0.9	-0.7	-1.2	-0.7	0.7	99.7	100.6	99.8
2003	88	-132	-111	-4.8	-2.4	0.00	0.02	100.5	2.99	-0.4	-0.0	-1.0	-0.4	0.6	98.8	99.8	98.9
2004	78	-51	-52	-3.3	-3.1	-0.01	-0.01	99.1	2.98	0.6	0.9	-0.1	0.4	1.4	100.0	100.0	100.2
2005	97	-191	-236	-11.3	-8.1	-0.02	0.01	99.8	2.99	0.6	0.3	0.1	0.5	1.2	100.1	100.3	99.0
2006	97	78	-54	-4.2	-1.6	-0.02	0.01	99.9	2.96	1.9	1.3	0.7	1.4	2.5	100.6	99.3	99.1
2007	78	76	-173	-6.5	-4.0	0.01	0.03	99.9	2.96	2.3	1.1	0.5	2.5	2.4	101.2	100.1	100.2
2008	83	176	-91	0.1	-1.7	0.05	0.02	99.6	2.96	2.0	1.9	0.6	1.7	3.6	101.0	100.4	100.9
2009	47	153	-121	-5.8	-3.4	-0.00	0.02	99.7	2.95	2.3	0.7	1.1	2.0	2.8	102.1	102.6	100.9

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
1999	3	-855	-426	-18.7	-21.3	-0.02	-0.06	97.0	3.02	-3.7	-1.0	-4.3	-2.7	0.0	97.7	101.3	98.3
2000	1	-329	63	1.0	-4.0	-0.02	-0.07	103.0	3.05	-4.0	-5.0	-6.0	-4.0	-5.0	98.0	103.0	101.0
2002	1	716	787	23.0	18.0	-0.10	-0.12	107.0	2.84	3.0	0.0	0.0	4.0	1.0	100.0	95.0	96.0
2005	6	97	63	2.3	4.8	0.01	0.03	94.3	3.07	-0.3	1.3	1.8	-1.7	0.5	99.2	99.0	98.0
2006	2	-554	-438	0.5	-9.5	0.23	0.08	94.0	3.15	-7.0	-3.5	-1.5	-6.5	-1.0	97.0	100.0	.
2007	7	383	243	3.6	8.4	-0.07	-0.01	98.1	3.16	2.3	2.3	3.9	1.7	-0.7	99.9	101.4	100.7
2008	5	422	422	7.2	8.0	-0.12	-0.08	99.4	3.00	1.6	2.4	0.8	1.6	0.4	101.2	107.0	.
2009	2	228	72	8.5	3.0	0.08	0.01	97.5	3.04	-0.5	-1.5	0.0	0.0	-0.5	100.5	.	.

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.

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**Alberta**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1999	22	-23	-182	-2.5	-4.0	0.06	0.03	94.7	2.98	1.5	1.0	0.1	1.2	4.1	100.8	98.9	97.8
2000	40	-417	-355	-16.3	-12.6	-0.02	0.01	95.3	2.97	-2.0	-1.7	-1.8	-2.0	2.0	101.4	101.9	100.0
2001	25	-218	101	-3.0	-0.6	-0.09	-0.05	95.9	3.00	-1.8	-0.9	-2.3	-1.8	0.6	98.5	99.5	98.0
2002	24	-369	-55	-11.3	-6.4	-0.10	-0.04	95.2	3.04	-1.4	-0.7	-2.8	-1.4	0.9	99.1	100.0	98.4
2003	47	-13	30	-1.4	-0.9	-0.02	-0.02	96.3	3.01	-0.3	-0.3	-0.7	-0.5	1.5	100.6	100.2	99.5
2004	59	454	336	11.8	11.8	-0.02	-0.01	99.4	2.95	-0.3	0.4	-0.3	-0.3	1.3	100.9	101.1	99.4
2005	43	392	569	11.7	13.9	-0.12	-0.08	98.9	2.95	-0.3	1.3	-1.5	-0.6	3.2	99.7	100.1	96.7
2006	54	446	410	10.4	11.6	-0.07	-0.04	98.3	2.94	0.1	1.4	-1.2	-0.1	2.2	100.8	101.4	101.1
2007	28	65	-88	-3.5	-2.9	0.01	0.01	97.8	2.96	0.0	0.5	0.0	-0.5	2.4	102.0	102.8	102.1
2008	27	504	426	11.3	12.9	-0.07	-0.03	100.9	2.92	1.1	1.4	0.3	1.0	3.3	100.1	99.1	101.2
2009	31	507	322	9.5	10.7	-0.05	-0.02	101.0	2.91	1.0	1.6	-0.1	1.1	2.2	101.0	101.1	101.2

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
1999	10	-468	-364	-16.1	-9.5	-0.01	0.05	100.0	2.86	-4.7	-4.6	-3.1	-3.6	-0.8	101.0	101.4	102.0
2000	18	-403	-389	-13.2	-11.6	0.03	0.04	95.6	3.03	-3.7	-3.4	-0.6	-3.3	-0.7	101.1	104.3	105.4
2001	3	-742	-630	-11.3	-14.0	0.18	0.12	95.7	3.23	-5.3	-5.3	-2.3	-4.3	-4.7	96.0	101.5	102.0
2002	8	207	69	3.9	3.4	-0.00	0.01	96.4	3.00	-0.3	0.0	0.4	-0.8	1.5	101.1	102.4	100.0
2003	12	114	201	6.1	2.5	-0.02	-0.05	96.2	2.99	-2.7	-1.8	-0.5	-2.5	1.3	101.3	102.9	100.3
2004	18	-260	-255	-9.8	-8.6	0.01	0.02	99.4	2.96	-0.4	0.0	-0.3	-0.9	1.2	99.9	100.4	97.3
2005	6	-10	-216	-6.2	-2.7	0.03	0.06	98.5	3.09	3.0	3.8	1.7	2.0	0.0	98.7	99.0	99.0
2006	19	104	-130	-1.2	-4.0	0.05	0.01	100.4	2.92	1.2	0.5	-0.5	1.6	1.7	101.3	102.4	101.2
2007	31	-194	-429	-15.7	-12.2	0.01	0.05	99.2	2.98	2.3	1.4	1.2	1.8	3.4	101.3	100.3	97.0
2008	19	-20	-254	-10.4	-7.2	-0.00	0.03	100.9	3.02	2.9	2.5	2.1	2.4	3.4	100.7	101.0	103.7
2009	23	153	-188	-7.0	-6.3	0.01	0.01	102.0	2.94	3.7	3.1	2.6	3.6	2.7	101.7	101.8	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.