

Provincial genetic trends by birth year for Brown Swiss cows
Canadian Dairy Network, August 2014

Nova Scotia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2001	5	691	-174	1.0	-5.0	0.10	0.02	94.8	3.10	-2.6	-1.2	0.2	-4.6	-0.8	98.6	101.4	98.6
2002	10	540	-216	-17.9	-14.0	-0.10	-0.06	97.6	3.14	-2.1	-2.6	-0.4	-2.6	1.0	100.1	101.8	100.8
2003	7	709	-109	-5.7	-6.4	-0.01	-0.02	99.9	3.02	-0.9	0.7	0.1	-0.7	1.1	99.7	99.3	100.6
2004	7	690	-275	-7.9	-9.4	0.05	0.01	94.6	3.12	-1.4	0.0	0.0	-2.7	2.0	100.7	102.8	101.2
2005	7	683	-181	-5.7	-8.1	0.02	-0.01	102.0	2.97	-2.9	-2.6	0.4	-3.1	0.1	99.9	100.3	96.7
2006	12	925	124	0.9	0.1	-0.05	-0.05	97.5	3.13	2.1	3.8	3.8	-0.1	2.5	101.3	102.8	100.2
2007	6	787	-21	-7.0	-1.7	-0.07	-0.01	102.2	2.84	-0.8	0.7	1.7	-2.2	1.2	100.7	100.3	99.0
2008	7	962	-63	2.1	1.1	0.06	0.04	95.4	3.03	1.9	2.6	2.7	0.6	3.4	102.0	100.7	101.3
2009	9	980	37	6.1	4.1	0.06	0.03	98.4	3.00	2.0	2.3	2.1	1.0	4.0	101.7	99.1	102.0
2010	10	876	-122	-2.1	-1.4	0.03	0.03	101.2	3.01	3.5	3.1	2.5	2.7	1.9	100.4	97.6	99.6
2011	3	962	-221	-1.3	-1.7	0.10	0.08	101.3	2.98	3.0	2.3	2.3	1.7	1.0	102.7	101.0	100.3

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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New Brunswick

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2006	1	1067	520	16.0	21.0	-0.07	0.00	99.0	3.09	1.0	0.0	2.0	-2.0	4.0	96.0	98.0	96.0
2007	2	661	-136	-8.0	-0.5	-0.02	0.06	101.0	3.04	-1.5	1.5	2.0	-1.5	-6.5	94.5	97.0	93.5
2008	1	869	409	11.0	9.0	-0.07	-0.07	104.0	2.94	-2.0	-6.0	-1.0	-3.0	1.0	97.0	94.0	94.0
2010	1	1179	42	14.0	12.0	0.15	0.11	103.0	2.72	2.0	1.0	1.0	-1.0	6.0	104.0	103.0	102.0
2011	1	979	649	13.0	11.0	-0.16	-0.14	101.0	2.89	3.0	3.0	5.0	1.0	3.0	96.0	94.0	96.0

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
2001	312	514	-319	-18.6	-15.7	-0.07	-0.04	94.9	3.12	-2.9	-2.8	-0.3	-3.2	0.4	100.1	101.7	99.8
2002	311	605	-245	-13.6	-12.2	-0.04	-0.03	95.8	3.07	-2.1	-1.8	-0.7	-2.3	1.1	100.8	101.7	100.2
2003	371	681	-230	-11.7	-10.6	-0.02	-0.02	96.1	3.10	-0.6	-0.4	0.2	-1.1	1.3	101.2	102.1	101.2
2004	356	722	-152	-8.5	-8.2	-0.02	-0.02	96.3	3.09	-0.7	-0.1	0.6	-1.3	1.6	101.0	102.2	100.6
2005	355	723	-136	-8.5	-7.4	-0.03	-0.02	96.9	3.09	-0.7	0.0	1.1	-1.3	0.7	100.5	101.4	99.8
2006	382	781	-144	-6.2	-4.8	-0.00	0.01	97.7	3.03	-0.7	0.0	0.9	-1.4	1.6	101.1	102.2	100.1
2007	360	847	-66	-2.1	-1.4	0.01	0.01	98.7	2.98	-0.4	0.3	0.6	-0.9	1.3	101.2	101.2	100.3
2008	345	889	-101	-2.0	-1.7	0.03	0.03	98.2	2.98	0.9	0.8	1.1	0.4	2.2	102.0	101.2	101.0
2009	355	880	-45	-2.2	-1.9	-0.00	0.00	97.4	3.01	1.1	1.0	0.8	0.8	1.5	101.6	101.2	100.1
2010	326	1011	115	2.8	4.0	-0.02	-0.00	97.8	3.00	2.0	1.5	1.4	2.0	1.9	102.6	101.7	101.7
2011	292	1048	132	4.8	5.6	-0.01	0.01	98.7	2.98	2.3	1.8	1.8	2.2	1.8	102.4	101.6	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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Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2001	215	664	-122	-8.8	-6.3	-0.04	-0.01	96.9	3.07	-2.3	-1.9	-1.1	-2.5	0.8	99.7	101.2	100.2
2002	273	739	-54	-4.7	-5.1	-0.03	-0.03	96.7	3.01	-1.6	-1.3	-0.9	-1.8	2.0	100.8	101.7	100.6
2003	301	804	91	0.0	-0.5	-0.04	-0.04	97.4	3.04	-1.4	-0.8	-0.4	-1.8	1.8	100.2	101.2	100.1
2004	288	869	94	2.9	1.3	-0.01	-0.02	97.4	3.03	-0.8	-0.5	-0.0	-1.2	1.4	100.8	101.2	100.4
2005	281	862	70	2.6	1.4	-0.00	-0.01	97.6	3.04	-0.9	0.2	0.6	-1.7	1.2	100.3	101.1	100.1
2006	337	900	90	4.7	3.6	0.01	0.00	97.6	3.02	-0.8	0.1	0.4	-1.5	1.5	100.4	101.2	99.8
2007	282	974	131	7.4	5.6	0.03	0.01	98.5	2.99	0.2	0.6	0.3	-0.3	1.5	101.0	101.1	100.8
2008	310	991	141	7.2	5.4	0.02	0.00	98.9	2.97	0.5	0.3	0.8	0.1	2.3	101.7	100.8	101.1
2009	266	1023	203	7.4	6.2	-0.01	-0.02	98.7	2.98	1.3	0.8	0.9	1.0	2.2	101.8	101.0	100.8
2010	250	1084	221	10.7	9.7	0.02	0.01	99.1	2.93	1.4	0.9	1.0	1.2	2.2	101.9	100.4	101.3
2011	197	1065	241	8.1	8.0	-0.02	-0.01	98.2	2.98	2.0	1.3	1.6	1.8	2.2	102.0	100.6	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
2001	100	599	-288	-13.9	-11.2	-0.02	0.00	97.8	3.04	-2.0	-1.7	-1.5	-2.1	1.3	99.9	101.4	100.2
2002	90	545	-390	-17.1	-15.8	-0.01	-0.01	99.1	3.05	-1.5	-1.3	-1.3	-1.4	0.9	99.8	101.0	100.1
2003	88	689	-130	-7.7	-5.3	-0.02	0.00	100.6	3.03	-1.1	-0.5	-0.9	-1.3	0.9	98.8	100.1	99.0
2004	78	725	-66	-6.3	-5.8	-0.04	-0.04	99.3	3.02	-0.2	0.5	-0.3	-0.7	1.7	99.9	100.2	100.6
2005	97	656	-255	-14.0	-10.8	-0.04	-0.01	100.0	3.03	-0.1	-0.2	0.1	-0.3	1.4	99.9	100.2	99.0
2006	99	793	-68	-6.0	-3.4	-0.03	-0.01	100.1	3.01	0.8	0.7	0.6	0.2	2.6	100.2	99.5	99.9
2007	81	784	-188	-8.6	-6.2	-0.00	0.01	99.6	3.01	1.5	0.6	0.3	1.3	2.5	100.7	100.0	100.8
2008	86	868	-92	-1.6	-2.6	0.03	0.01	100.2	2.99	1.4	1.6	0.4	0.8	4.0	100.9	101.1	101.5
2009	77	829	-130	-6.2	-6.0	-0.01	-0.01	99.9	2.99	1.9	1.2	1.3	1.3	3.3	101.4	101.0	101.0
2010	57	809	-116	-7.6	-6.5	-0.03	-0.02	100.5	3.00	1.8	1.3	1.0	1.3	3.3	101.2	102.6	102.6
2011	47	903	-115	-2.0	-4.3	0.03	0.00	98.9	2.99	3.4	2.8	1.6	3.1	3.5	101.7	102.3	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
2002	1	1107	746	20.0	15.0	-0.13	-0.15	106.0	2.87	3.0	0.0	1.0	3.0	1.0	99.0	94.0	96.0
2005	6	779	38	-1.2	1.5	-0.03	0.00	94.5	3.11	-1.0	0.8	1.5	-2.3	0.5	98.7	99.3	97.5
2006	3	564	-197	-6.0	-7.3	0.03	0.00	95.7	3.10	-7.3	-4.3	-1.3	-7.3	1.7	98.3	101.0	94.0
2007	7	921	152	-1.0	4.0	-0.09	-0.02	98.4	3.19	1.4	1.9	3.9	0.4	-0.1	99.9	102.2	100.5
2008	4	898	408	3.5	2.0	-0.16	-0.15	100.8	3.05	0.0	2.5	0.5	-0.8	1.0	99.8	104.0	.
2009	1	916	521	1.0	5.0	-0.24	-0.16	96.0	2.91	-4.0	-9.0	-3.0	-2.0	5.0	105.0	.	.
2010	3	1216	791	11.0	20.7	-0.25	-0.10	98.7	2.87	1.7	3.3	5.0	0.3	4.3	102.0	100.5	101.5
2011	4	995	376	9.8	9.3	-0.04	-0.05	99.5	2.94	-1.0	-0.3	2.0	-1.0	0.8	100.3	98.0	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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Alberta

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2001	25	661	96	-5.4	-3.0	-0.11	-0.07	96.1	3.04	-2.4	-1.5	-2.5	-2.5	1.1	98.8	99.7	98.5
2002	24	600	-58	-13.3	-8.5	-0.12	-0.06	95.6	3.08	-2.2	-1.4	-3.0	-2.0	1.3	99.5	100.6	98.9
2003	47	750	25	-3.9	-3.3	-0.05	-0.04	96.7	3.05	-1.1	-1.0	-1.0	-1.4	1.9	100.4	100.3	99.5
2004	59	968	318	9.1	9.4	-0.04	-0.03	99.5	2.99	-1.1	-0.4	-0.1	-1.4	1.9	100.4	100.6	99.6
2005	44	922	511	7.2	10.1	-0.16	-0.10	98.8	2.99	-1.4	0.5	-1.7	-1.7	3.5	99.5	99.8	96.7
2006	55	960	408	7.0	9.1	-0.11	-0.07	98.4	2.99	-0.9	0.6	-1.3	-1.2	2.6	100.3	101.2	99.7
2007	29	779	-79	-7.0	-5.4	-0.04	-0.02	97.9	3.02	-0.9	-0.3	0.0	-1.6	2.7	101.9	103.1	102.3
2008	28	972	421	7.3	9.4	-0.12	-0.07	99.7	2.99	0.4	0.8	0.5	0.3	3.7	99.6	98.1	98.0
2009	39	958	260	4.6	6.8	-0.07	-0.03	99.2	3.00	-0.3	0.4	-0.6	-0.4	2.0	100.7	100.5	100.1
2010	19	966	313	0.9	3.1	-0.12	-0.08	98.3	2.97	0.1	-0.3	-0.1	0.3	2.4	102.9	103.1	102.6
2011	8	1081	445	1.1	9.1	-0.20	-0.08	99.3	2.85	0.9	1.0	1.0	0.3	5.4	104.4	105.0	100.0

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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British Columbia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2001	3	414	-633	-13.0	-16.0	0.16	0.09	96.7	3.26	-6.3	-6.3	-3.0	-4.7	-4.0	96.7	102.0	102.0
2002	8	862	43	1.0	0.6	-0.02	-0.01	97.6	3.04	-1.0	-0.8	0.8	-1.5	1.6	101.1	102.6	100.0
2003	13	818	195	4.5	0.4	-0.03	-0.07	96.8	3.02	-3.4	-2.2	-0.9	-3.2	1.5	100.8	101.9	99.8
2004	20	679	-201	-9.3	-8.4	-0.00	-0.00	100.7	2.98	-1.3	-0.4	-0.4	-1.6	1.0	99.8	100.8	98.3
2005	7	751	-241	-9.9	-6.0	0.00	0.03	99.7	3.10	2.3	3.4	2.1	1.1	1.1	99.0	98.5	99.0
2006	19	787	-156	-3.6	-6.7	0.04	-0.01	100.6	2.96	0.4	0.3	-0.8	0.6	1.8	100.6	100.7	100.4
2007	33	722	-336	-13.6	-10.6	-0.00	0.03	101.2	3.00	1.8	1.3	1.0	1.0	3.6	100.8	100.3	97.0
2008	20	796	-178	-10.3	-6.2	-0.03	0.01	102.0	3.06	2.5	2.4	2.1	1.5	3.8	100.3	102.1	103.0
2009	30	904	36	-4.8	-1.8	-0.07	-0.03	103.8	2.97	3.4	3.9	2.3	2.7	3.3	100.6	101.1	100.5
2010	33	890	-26	0.1	-3.2	0.01	-0.03	103.8	2.97	3.1	3.6	1.5	2.7	3.2	100.3	97.0	.
2011	14	996	91	0.1	3.2	-0.05	-0.01	102.6	2.91	2.9	3.0	2.7	2.6	2.3	101.5	99.6	100.7

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.