

**Provincial genetic trends by birth year for Brown Swiss cows**  
**Canadian Dairy Network, August 2017**

**Nova Scotia**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	7	713	-283	-7.0	-9.6	0.06	0.02	95.0	3.15	-3.7	-1.7	-1.0	-4.7	0.7	99.6	103.0	101.8
2005	7	706	-191	-5.6	-9.1	0.03	-0.02	101.7	3.00	-5.1	-4.3	-0.7	-5.1	-0.9	99.4	100.0	97.2
2006	12	932	115	2.0	-0.4	-0.03	-0.05	97.3	3.14	-0.3	1.8	2.8	-2.0	1.3	100.4	103.2	100.8
2007	6	868	-4	-6.0	-1.3	-0.07	-0.01	102.0	2.86	-3.2	-1.0	0.7	-4.5	-0.2	101.2	101.5	99.3
2008	7	963	-105	2.3	-0.3	0.08	0.04	96.3	3.06	0.3	0.9	1.7	-1.3	2.3	100.3	101.6	101.3
2009	8	1031	3	8.1	4.4	0.10	0.05	99.6	2.99	0.0	1.0	1.0	-0.9	3.1	100.9	99.7	101.7
2010	12	825	-209	-5.0	-5.0	0.04	0.03	99.9	3.08	1.2	1.6	0.9	0.4	1.1	99.6	98.8	101.0
2011	5	947	-230	-5.0	-5.4	0.06	0.04	102.8	3.02	0.8	0.6	1.4	0.2	1.6	101.4	102.0	102.8
2012	12	1075	79	6.7	6.5	0.04	0.04	98.8	2.99	1.4	2.4	2.5	-0.1	2.8	101.3	100.1	103.2
2013	8	1098	3	4.3	3.0	0.05	0.03	101.6	2.97	3.1	3.1	2.6	1.6	3.5	101.6	101.3	102.8
2014	6	1206	177	12.5	8.3	0.06	0.02	98.8	2.91	1.7	0.8	1.7	1.3	2.5	102.7	103.0	105.0

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	926	426	9.0	16.0	-0.10	-0.01	100.0	3.12	-2.0	-3.0	0.0	-4.0	1.0	95.0	97.0	93.0
2007	1	659	-113	-1.0	4.0	0.05	0.10	101.0	3.01	-3.0	0.0	-1.0	-1.0	-12.0	93.0	94.0	92.0
2008	3	995	511	11.7	8.3	-0.11	-0.12	100.3	2.80	-3.3	-4.0	0.7	-4.7	-0.3	100.0	99.0	98.0
2009	4	1221	-33	6.3	4.5	0.09	0.06	97.3	2.87	0.0	-1.0	0.5	0.3	0.3	104.5	105.8	103.0
2010	4	1030	-413	3.0	-5.3	0.23	0.11	101.5	2.91	-0.5	-1.5	0.3	-1.3	1.3	103.0	102.7	104.5
2011	2	915	392	2.5	7.0	-0.16	-0.08	99.5	2.96	0.5	0.0	4.0	-0.5	-1.5	98.5	92.0	93.0
2012	7	1221	159	8.4	10.4	0.03	0.05	101.1	2.91	1.6	-0.3	0.9	1.6	1.4	102.4	101.1	100.6
2013	8	1103	-66	4.3	4.3	0.08	0.07	98.4	2.89	-1.1	-2.9	0.8	-0.4	-0.4	103.0	101.8	101.8
2014	6	1319	148	9.0	18.2	0.04	0.13	100.7	2.94	1.2	-2.0	2.7	0.3	1.3	103.2	101.5	100.2

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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**Quebec**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	357	754	-147	-7.6	-8.1	-0.01	-0.03	97.0	3.09	-2.7	-1.7	-0.4	-3.1	0.5	99.9	102.2	100.9
2005	358	745	-137	-7.6	-7.4	-0.02	-0.02	97.8	3.09	-2.6	-1.5	0.0	-3.1	-0.4	99.5	101.3	100.0
2006	388	808	-149	-5.9	-5.4	0.01	0.01	98.1	3.04	-2.8	-1.7	-0.1	-3.2	0.2	100.1	102.4	100.3
2007	376	861	-75	-2.2	-2.3	0.01	0.01	99.1	3.00	-2.4	-1.3	-0.4	-2.7	0.1	100.1	101.4	100.4
2008	360	895	-130	-2.4	-3.0	0.04	0.02	98.5	2.99	-1.1	-1.0	0.1	-1.5	0.9	100.8	101.0	101.1
2009	380	883	-56	-2.2	-2.3	0.01	0.00	98.5	3.02	-0.9	-0.7	-0.3	-1.0	0.1	100.1	101.0	99.9
2010	355	994	41	0.7	1.6	-0.01	0.00	99.0	3.00	-0.1	-0.4	0.4	-0.1	0.5	101.5	101.5	101.6
2011	367	1014	35	2.2	2.4	0.01	0.01	99.3	3.00	0.3	0.2	0.9	0.1	0.4	101.1	101.6	100.7
2012	359	988	9	2.0	2.1	0.02	0.02	98.7	2.99	0.2	0.1	0.8	0.1	0.5	100.7	100.3	99.7
2013	319	1086	93	5.4	5.2	0.02	0.02	98.7	2.97	1.0	0.6	1.8	0.5	1.1	101.6	101.1	101.0
2014	242	1106	89	4.0	5.1	0.01	0.02	99.0	2.95	1.8	0.7	1.8	1.5	1.4	102.1	101.4	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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**Canadian Dairy Network, August 2017**

**Ontario**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	289	782	-108	-4.4	-5.1	0.00	-0.01	98.1	3.05	-2.8	-2.0	-1.1	-3.0	0.2	99.5	100.9	100.5
2005	281	760	-134	-4.8	-5.4	0.01	-0.00	98.2	3.07	-2.8	-1.4	-0.5	-3.4	-0.1	99.1	100.8	100.3
2006	339	817	-86	-1.8	-2.3	0.02	0.01	98.0	3.04	-2.9	-1.5	-0.6	-3.4	0.2	99.2	101.0	99.7
2007	283	898	-44	0.7	-0.4	0.03	0.01	99.1	3.02	-1.7	-1.1	-0.7	-2.0	0.3	100.0	101.3	100.7
2008	312	906	-50	0.2	-0.9	0.03	0.01	99.3	3.01	-1.4	-1.2	-0.3	-1.6	1.1	100.3	100.6	101.2
2009	271	944	15	1.4	0.2	0.01	-0.00	99.4	3.01	-0.4	-0.5	-0.2	-0.7	1.0	100.4	100.7	100.9
2010	265	1028	56	5.1	4.2	0.03	0.02	100.3	2.95	-0.5	-0.6	-0.1	-0.6	0.8	101.0	100.6	101.6
2011	258	988	34	1.1	2.0	-0.00	0.01	99.4	2.99	-0.0	-0.2	0.5	-0.1	0.9	100.9	100.9	101.0
2012	267	1081	103	5.5	5.5	0.02	0.02	99.9	2.97	0.7	0.4	1.1	0.5	1.2	101.3	100.9	100.9
2013	192	1114	172	6.7	5.7	-0.00	-0.01	99.7	2.95	1.3	0.9	1.4	1.1	1.1	101.9	101.3	101.6
2014	230	1145	141	8.2	7.7	0.02	0.02	99.4	2.94	1.1	0.6	1.0	0.9	1.3	102.1	101.5	101.5

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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**Manitoba**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	79	709	-174	-8.9	-8.5	-0.02	-0.02	98.1	3.05	-2.0	-1.0	-1.2	-2.2	0.8	98.8	100.2	100.6
2005	97	661	-282	-14.5	-11.6	-0.03	-0.01	98.8	3.07	-1.8	-1.5	-0.9	-1.9	0.4	98.8	99.7	99.0
2006	102	774	-118	-8.3	-5.3	-0.03	-0.01	99.5	3.06	-0.8	-0.6	-0.5	-1.3	1.5	98.9	99.1	99.6
2007	84	778	-226	-9.9	-7.4	0.00	0.02	98.7	3.06	-0.2	-0.7	-0.7	-0.3	1.6	99.1	99.9	100.9
2008	90	834	-186	-5.0	-6.1	0.04	0.01	98.4	3.04	-0.3	-0.1	-0.4	-0.8	2.9	99.5	100.5	101.7
2009	80	840	-153	-5.4	-6.5	0.02	-0.00	98.7	3.03	-0.0	-0.2	0.1	-0.5	2.3	99.9	100.8	100.7
2010	74	838	-102	-7.6	-5.8	-0.03	-0.02	100.1	3.03	-0.1	-0.1	-0.1	-0.4	2.4	100.1	101.1	101.8
2011	75	952	-73	-0.1	-2.2	0.04	0.01	98.6	3.00	1.9	1.9	1.3	1.3	2.2	100.4	100.4	101.2
2012	88	930	-40	-3.2	-3.0	-0.01	-0.01	99.9	2.99	1.0	0.8	1.0	0.6	2.0	100.7	101.1	101.8
2013	76	999	38	-0.4	0.2	-0.02	-0.01	99.6	2.98	2.0	1.6	1.5	1.4	2.5	100.9	101.1	102.6
2014	35	1055	95	0.5	2.8	-0.04	-0.01	100.5	2.94	1.5	1.2	1.7	1.0	1.4	101.9	102.3	102.5

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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**Saskatchewan**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2005	6	663	-192	-8.2	-6.0	0.01	0.02	95.8	3.09	-3.7	-1.2	0.0	-4.5	-0.7	97.7	99.7	97.8
2006	3	561	-288	-8.0	-9.3	0.06	0.02	96.7	3.08	-9.3	-5.3	-2.3	-8.7	0.7	97.0	102.0	93.0
2007	6	788	31	-8.8	0.7	-0.12	-0.01	98.5	3.25	-0.7	0.2	3.0	-1.3	-2.2	98.2	101.4	100.8
2008	4	844	343	1.3	-0.5	-0.15	-0.15	99.5	3.11	-2.0	0.5	-0.5	-2.5	0.0	98.3	104.5	.
2009	2	864	167	2.5	-1.5	-0.05	-0.08	97.5	2.94	-6.5	-6.0	-3.0	-5.5	3.0	101.0	.	.
2010	1	1018	322	-15.0	9.0	-0.33	-0.04	95.0	2.86	3.0	3.0	6.0	1.0	1.0	102.0	98.0	102.0
2011	3	862	17	-0.3	3.0	-0.01	0.03	99.3	3.04	-0.3	1.7	3.3	-1.3	-1.0	97.7	97.5	96.0
2012	4	939	83	-5.3	-4.3	-0.08	-0.07	102.3	2.85	-0.3	-2.0	0.8	-0.3	0.0	101.8	102.0	101.0
2013	2	908	-61	-2.0	-4.0	0.00	-0.02	101.0	3.03	2.5	2.0	1.0	1.5	0.0	99.5	.	.

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
2004	59	895	182	1.5	3.6	-0.07	-0.03	98.0	3.03	-2.9	-2.2	-1.0	-3.1	0.6	99.3	100.7	98.4
2005	44	879	361	2.1	4.9	-0.14	-0.09	98.1	3.02	-3.3	-1.2	-2.5	-3.4	2.1	98.2	100.4	96.5
2006	55	887	235	0.0	3.1	-0.11	-0.06	97.7	3.02	-2.7	-1.1	-2.2	-2.8	1.5	98.7	101.5	98.7
2007	29	739	-157	-9.0	-8.5	-0.02	-0.02	97.2	3.05	-2.7	-1.8	-0.7	-3.3	1.4	99.7	102.0	102.5
2008	29	919	291	1.7	4.4	-0.12	-0.07	99.0	3.00	-1.2	-1.0	-0.2	-1.1	2.4	98.5	98.0	97.5
2009	39	867	115	-1.3	1.5	-0.07	-0.03	99.2	3.05	-2.0	-1.2	-1.5	-1.9	0.6	98.7	100.2	97.7
2010	20	977	196	-0.3	1.1	-0.08	-0.05	98.1	2.96	-1.3	-1.9	-0.7	-1.0	1.1	102.0	101.1	100.8
2011	11	1016	288	-1.0	2.5	-0.14	-0.09	98.6	2.92	-2.1	-1.4	-0.2	-2.5	4.0	102.1	104.3	101.8
2012	10	1108	382	8.0	11.2	-0.09	-0.04	99.1	3.03	-0.7	-0.3	0.5	-0.8	2.3	101.1	101.2	100.3
2013	12	1131	241	6.3	8.8	-0.04	0.00	99.3	2.88	-0.5	-0.7	0.1	-0.6	1.5	102.1	102.0	99.4
2014	8	1288	266	15.4	15.1	0.05	0.05	100.0	2.89	0.3	-1.0	0.0	-0.3	3.5	103.4	101.2	99.2

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
2004	21	699	-215	-8.5	-8.7	0.01	-0.01	99.5	3.01	-2.9	-1.8	-1.6	-3.0	0.2	98.6	99.0	97.8
2005	7	712	-295	-10.6	-8.0	0.03	0.04	98.0	3.15	0.1	1.3	0.4	-0.9	0.0	97.9	101.0	98.0
2006	19	778	-211	-5.2	-8.5	0.04	-0.00	99.5	3.01	-1.2	-1.2	-1.9	-0.9	1.0	99.5	99.9	100.3
2007	35	694	-367	-15.8	-12.3	-0.01	0.02	98.4	3.08	-0.1	-0.2	-0.3	-0.8	2.7	99.4	99.2	97.3
2008	22	749	-250	-11.9	-9.4	-0.02	0.00	99.1	3.12	0.5	1.0	0.5	-0.2	2.7	99.2	101.2	102.6
2009	30	886	-9	-6.0	-3.3	-0.07	-0.03	100.2	3.04	1.9	2.9	1.2	1.1	2.3	99.7	101.3	100.8
2010	39	866	-68	-2.6	-4.5	-0.01	-0.02	100.6	3.04	1.2	2.2	0.8	0.6	2.4	99.4	99.4	98.9
2011	17	1034	117	0.2	2.7	-0.06	-0.02	101.4	2.95	1.6	1.9	1.6	1.1	1.4	101.4	101.4	102.0
2012	30	1135	-70	0.3	2.3	0.04	0.06	100.4	2.92	2.5	0.4	1.5	2.5	3.0	103.1	101.9	101.6
2013	15	1130	105	5.7	7.0	0.02	0.03	100.9	2.98	2.3	2.5	0.7	1.6	2.8	101.7	104.0	102.4
2014	36	1043	113	1.8	3.1	-0.02	-0.01	99.6	2.96	1.4	0.8	1.0	1.0	1.3	101.6	103.4	102.1

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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**Newfoundland**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2007	1	534	-135	-15.0	-6.0	-0.11	-0.01	98.0	3.21	-3.0	1.0	3.0	-6.0	-4.0	96.0	100.0	94.0

**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.