

Provincial genetic trends by birth year for Brown Swiss cows
Canadian Dairy Network, August 2016

Nova Scotia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2003	7	707	-177	-7.7	-8.1	-0.01	-0.01	99.9	3.03	-2.1	-0.4	-1.1	-2.0	0.4	99.6	99.3	100.9
2004	7	723	-250	-5.7	-8.6	0.06	0.01	94.7	3.15	-2.9	-1.1	-0.9	-3.9	1.4	100.0	102.2	101.5
2005	7	715	-153	-4.7	-8.0	0.02	-0.02	101.7	3.00	-4.3	-3.6	-0.6	-4.4	-0.6	99.4	99.9	97.0
2006	12	951	160	3.0	1.2	-0.04	-0.05	97.2	3.13	0.7	2.7	2.9	-1.1	1.6	100.6	102.7	100.8
2007	6	896	47	-4.7	0.2	-0.08	-0.02	102.0	2.85	-2.3	-0.3	0.5	-3.2	-0.2	101.5	101.2	99.7
2008	7	982	-63	3.0	0.9	0.07	0.04	96.1	3.05	1.0	1.6	1.7	-0.3	3.1	100.6	100.9	101.3
2009	8	1080	64	9.5	6.4	0.08	0.04	100.0	2.97	0.8	1.4	0.9	-0.1	3.5	101.5	100.1	102.6
2010	11	870	-169	-3.0	-2.7	0.04	0.04	100.5	3.04	2.3	2.2	1.3	1.4	1.5	100.1	98.3	100.5
2011	5	965	-220	-3.8	-4.8	0.06	0.05	103.2	2.99	1.8	1.2	1.8	0.8	2.2	102.0	101.6	102.4
2012	11	1081	102	4.1	5.6	0.00	0.02	99.0	2.98	2.9	3.5	2.3	1.5	3.5	101.8	100.4	102.9
2013	5	1162	67	6.2	5.4	0.01	0.02	102.8	2.99	4.6	3.0	3.2	3.0	4.6	102.4	101.3	103.0

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	979	487	13.0	19.0	-0.08	-0.01	100.0	3.11	0.0	-1.0	1.0	-3.0	2.0	95.0	96.0	96.0
2007	1	701	-80	2.0	6.0	0.06	0.11	101.0	3.01	-3.0	0.0	-1.0	0.0	-11.0	93.0	94.0	92.0
2008	3	1053	564	12.7	10.3	-0.12	-0.12	100.3	2.79	-2.0	-3.0	0.7	-3.0	0.7	100.7	99.0	98.0
2009	4	1253	2	8.0	5.8	0.09	0.07	97.3	2.86	1.3	-0.8	0.8	1.3	0.5	104.8	105.8	102.3
2010	3	1041	-371	-3.7	-5.0	0.14	0.10	103.0	2.86	1.0	-0.3	0.3	-0.3	3.0	103.7	102.7	103.5
2011	2	940	433	1.5	7.0	-0.19	-0.10	99.0	2.92	2.0	0.0	4.0	0.5	0.0	99.0	92.0	95.0
2012	7	1208	170	7.3	11.0	0.01	0.05	100.7	2.92	2.4	0.0	1.1	2.3	2.0	102.1	100.5	100.3
2013	8	1175	-51	6.4	6.4	0.10	0.09	98.4	2.88	-0.4	-2.6	0.3	0.5	0.1	103.8	104.2	102.3

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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Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2003	372	734	-170	-9.2	-8.6	-0.02	-0.02	96.7	3.09	-1.8	-1.4	-0.8	-2.0	0.6	100.1	101.7	101.5
2004	357	768	-107	-6.7	-7.0	-0.02	-0.03	96.7	3.09	-1.9	-1.2	-0.4	-2.3	0.9	100.2	101.9	100.9
2005	358	764	-97	-6.6	-6.1	-0.03	-0.02	97.6	3.09	-1.8	-0.9	0.1	-2.2	-0.0	99.9	101.1	100.0
2006	384	829	-111	-4.7	-4.0	0.00	0.00	97.9	3.04	-1.9	-1.0	0.0	-2.3	0.7	100.5	102.1	100.5
2007	373	886	-36	-1.2	-1.0	0.01	0.01	99.0	3.00	-1.6	-0.7	-0.4	-1.9	0.5	100.5	101.3	100.6
2008	357	922	-93	-1.7	-1.9	0.03	0.02	98.4	2.99	-0.3	-0.4	0.1	-0.6	1.5	101.3	101.2	101.1
2009	370	915	-16	-1.2	-0.9	-0.00	-0.00	98.4	3.02	-0.1	-0.0	-0.3	-0.2	0.7	100.6	101.1	100.4
2010	350	1033	86	2.1	3.2	-0.01	0.00	98.8	2.99	0.8	0.3	0.4	0.8	1.1	101.9	101.6	101.9
2011	360	1052	80	3.2	3.8	0.00	0.01	99.3	2.99	1.2	0.9	1.0	1.0	1.0	101.7	101.6	100.9
2012	351	1024	60	3.1	3.7	0.01	0.02	98.9	2.99	0.9	0.7	0.7	0.9	1.1	101.2	100.6	100.1
2013	271	1124	137	6.1	6.9	0.01	0.02	98.8	2.96	1.7	1.2	1.6	1.3	1.6	102.1	101.5	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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Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2003	304	754	-61	-5.6	-5.3	-0.03	-0.03	97.7	3.05	-2.4	-1.8	-1.4	-2.6	1.1	99.4	100.8	100.4
2004	289	804	-66	-3.3	-3.9	-0.00	-0.01	97.9	3.05	-2.0	-1.4	-1.1	-2.1	0.7	99.8	100.9	100.6
2005	281	784	-91	-3.8	-4.1	0.00	-0.00	98.0	3.07	-2.0	-0.8	-0.4	-2.5	0.4	99.5	100.8	100.2
2006	339	841	-45	-0.8	-1.0	0.01	0.01	97.8	3.04	-2.0	-0.9	-0.5	-2.5	0.6	99.6	100.8	99.9
2007	283	922	-8	1.5	0.8	0.02	0.01	99.0	3.02	-0.9	-0.4	-0.6	-1.2	0.8	100.4	101.1	101.0
2008	311	936	-10	1.2	0.4	0.02	0.01	99.3	3.00	-0.6	-0.6	-0.2	-0.8	1.6	100.8	100.8	101.4
2009	271	971	49	2.1	1.3	0.00	-0.01	99.3	3.00	0.3	0.1	-0.2	0.1	1.5	100.9	100.8	101.1
2010	262	1064	91	5.9	5.5	0.03	0.02	100.3	2.94	0.4	0.1	-0.0	0.3	1.4	101.5	100.8	101.7
2011	253	1029	92	2.5	3.9	-0.01	0.01	99.4	2.99	0.8	0.4	0.5	0.7	1.5	101.4	101.0	101.1
2012	256	1109	145	6.4	7.0	0.01	0.02	99.8	2.97	1.5	1.0	1.2	1.3	1.7	101.7	101.0	101.1
2013	168	1173	234	8.9	8.4	-0.01	-0.01	99.6	2.95	2.1	1.2	1.5	2.0	1.6	102.5	101.7	101.6

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
2003	88	678	-173	-9.6	-6.9	-0.03	0.00	99.4	3.05	-2.2	-1.5	-2.0	-2.1	0.3	98.0	99.5	99.2
2004	79	722	-134	-7.8	-7.3	-0.03	-0.02	97.8	3.05	-1.1	-0.5	-1.2	-1.4	1.3	99.1	99.5	100.5
2005	97	672	-246	-13.6	-10.6	-0.04	-0.01	98.5	3.07	-1.0	-0.9	-0.9	-1.0	0.8	99.0	99.5	98.8
2006	102	796	-80	-7.3	-4.1	-0.04	-0.01	99.3	3.06	0.0	-0.0	-0.4	-0.5	2.1	99.4	99.1	99.9
2007	84	797	-197	-9.3	-6.6	-0.01	0.01	98.6	3.05	0.7	0.0	-0.6	0.5	2.1	99.6	100.0	101.1
2008	90	866	-145	-4.0	-4.6	0.03	0.01	98.3	3.03	0.4	0.5	-0.4	-0.0	3.4	100.0	100.9	102.0
2009	79	874	-116	-4.8	-4.9	0.00	-0.00	98.4	3.02	0.9	0.5	0.2	0.2	2.7	100.5	101.2	101.5
2010	72	886	-39	-5.6	-3.7	-0.04	-0.02	100.0	3.02	0.7	0.4	-0.0	0.4	2.9	100.6	101.7	101.8
2011	73	989	-22	0.5	-0.9	0.02	-0.00	98.1	3.00	2.8	2.7	1.3	2.1	3.0	101.1	101.1	101.7
2012	87	960	-5	-2.1	-2.2	-0.02	-0.02	99.7	2.97	1.7	1.3	0.9	1.4	2.5	101.3	101.4	101.9
2013	60	1051	44	1.5	2.3	-0.01	0.00	99.5	3.00	2.7	1.7	1.6	2.1	3.0	101.6	102.4	103.3

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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Saskatchewan

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2005	6	672	-146	-7.0	-4.5	-0.01	0.01	95.3	3.09	-2.7	-0.5	0.3	-3.7	-0.2	97.8	98.7	97.2
2006	3	542	-302	-9.3	-10.3	0.04	0.01	96.3	3.07	-8.7	-5.0	-2.0	-8.0	0.7	97.7	100.5	96.5
2007	6	816	77	-7.5	1.8	-0.13	-0.01	98.2	3.24	0.2	0.8	3.0	-0.5	-1.7	98.7	101.6	100.5
2008	4	872	386	2.5	0.8	-0.16	-0.15	99.5	3.10	-1.0	1.5	-0.3	-1.8	0.3	98.8	103.0	.
2009	2	899	197	3.5	0.0	-0.05	-0.08	98.0	2.94	-6.0	-6.0	-2.5	-5.0	3.5	101.5	101.0	.
2010	1	1092	383	-14.0	11.0	-0.34	-0.04	95.0	2.84	4.0	4.0	6.0	2.0	2.0	103.0	99.0	102.0
2011	3	866	37	0.0	3.0	-0.01	0.02	99.0	3.05	1.0	2.0	3.3	0.0	-0.3	98.0	97.7	96.5
2012	4	962	108	-4.0	-3.5	-0.08	-0.08	102.0	2.86	0.3	-1.8	0.5	0.5	1.0	102.8	102.0	101.0
2013	2	939	-14	-8.0	-2.5	-0.02	-0.01	100.0	2.97	2.5	1.5	1.5	3.0	0.0	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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Alberta

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2003	47	681	-149	-9.8	-8.8	-0.04	-0.03	96.8	3.06	-2.2	-2.0	-1.7	-2.3	1.4	99.1	99.8	99.7
2004	59	907	220	2.3	4.6	-0.08	-0.04	97.7	3.02	-2.1	-1.5	-0.8	-2.2	1.2	99.4	100.2	97.9
2005	44	881	399	2.8	6.0	-0.15	-0.09	97.9	3.01	-2.4	-0.5	-2.2	-2.4	2.8	98.3	99.0	96.8
2006	55	898	276	1.1	4.5	-0.12	-0.06	97.6	3.01	-1.8	-0.5	-2.0	-1.9	2.0	98.8	100.4	98.7
2007	29	774	-122	-8.1	-7.3	-0.03	-0.03	97.2	3.04	-2.0	-1.2	-0.7	-2.6	1.9	100.1	102.7	102.6
2008	28	933	338	3.3	6.1	-0.12	-0.07	98.6	3.00	-0.1	-0.4	-0.1	-0.2	3.0	98.7	96.5	98.2
2009	39	883	152	-0.7	2.6	-0.08	-0.03	98.9	3.04	-1.2	-0.5	-1.3	-1.1	1.4	98.9	99.8	98.3
2010	19	1012	258	-0.2	2.0	-0.11	-0.07	97.9	2.96	-0.9	-1.4	-0.7	-0.4	1.6	102.2	102.7	101.3
2011	10	1104	294	2.2	3.8	-0.11	-0.08	97.7	2.86	-0.9	-0.5	-0.2	-1.3	4.7	103.2	104.9	102.8
2012	9	1096	318	7.1	8.7	-0.06	-0.04	98.8	2.99	-0.1	-0.1	0.2	-0.3	2.4	101.1	101.7	99.7
2013	8	1125	187	6.4	7.3	-0.01	0.01	98.5	2.88	0.3	0.6	0.3	0.3	2.3	102.1	103.0	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.
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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
2003	14	850	132	2.6	-1.1	-0.03	-0.07	97.9	3.00	-4.1	-3.1	-1.4	-3.7	0.8	100.1	101.6	100.8
2004	21	717	-185	-8.2	-7.8	-0.00	-0.01	98.9	3.01	-2.2	-1.3	-1.3	-2.2	0.6	99.1	99.6	98.0
2005	7	724	-241	-10.3	-6.9	-0.00	0.02	98.3	3.15	1.3	2.6	0.9	-0.1	0.7	98.4	100.0	99.0
2006	19	800	-170	-4.4	-7.4	0.03	-0.01	99.1	3.01	-0.5	-0.6	-1.8	-0.2	1.4	99.8	100.3	100.1
2007	34	717	-344	-14.9	-11.6	-0.02	0.01	98.1	3.07	0.8	0.4	0.0	0.1	3.1	99.9	99.8	97.3
2008	21	792	-213	-10.5	-7.5	-0.02	0.01	98.5	3.11	1.4	1.5	0.9	0.5	3.3	99.9	101.5	102.3
2009	30	914	36	-5.4	-2.1	-0.08	-0.04	100.1	3.03	2.6	3.6	1.2	1.7	2.9	100.3	101.6	100.9
2010	39	894	-28	-2.2	-3.4	-0.02	-0.03	100.3	3.03	2.1	2.8	0.6	1.6	3.0	99.9	100.3	99.4
2011	17	1051	175	0.9	4.4	-0.08	-0.03	101.2	2.94	2.6	2.6	1.7	1.9	1.6	101.5	100.5	100.6
2012	29	1170	-24	1.9	4.4	0.04	0.06	99.9	2.93	3.1	0.6	1.2	3.0	3.6	103.4	102.0	102.4
2013	11	1132	92	5.0	8.6	0.03	0.05	101.0	2.96	2.3	2.2	0.7	1.7	2.5	101.7	105.0	104.0

Notes:

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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	546	-94	-14.0	-5.0	-0.12	-0.02	98.0	3.21	-2.0	1.0	3.0	-5.0	-4.0	96.0	100.0	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.
3. Conformation indexes based on first lactation classifications of each cow.