

Provincial genetic trends by birth year for Brown Swiss cows
Canadian Dairy Network, August 2018

Prince Edward Island

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2012	1	988	-66	4.0	4.0	0.07	0.06	103.0	2.99	-3.0	-3.0	-3.0	-3.0	0.0	99.0	101.0	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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Nova Scotia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2005	7	704	-224	-6.7	-11.1	0.03	-0.02	101.7	3.01	-5.1	-4.1	-0.3	-5.4	-1.4	99.3	100.2	97.2
2006	12	929	88	0.8	-2.0	-0.03	-0.06	97.2	3.15	-0.4	1.4	3.1	-2.2	0.6	100.1	103.3	101.2
2007	6	859	-31	-6.7	-2.7	-0.06	-0.02	101.5	2.86	-3.3	-1.2	0.5	-4.7	-0.8	100.5	101.2	99.2
2008	7	957	-139	0.9	-2.1	0.08	0.03	96.1	3.08	-0.1	0.7	1.9	-1.3	2.0	100.1	101.4	101.6
2009	8	1006	-31	7.0	2.3	0.10	0.04	99.5	3.00	-0.4	0.6	0.9	-1.3	2.6	100.4	99.0	101.6
2010	12	816	-241	-6.4	-6.8	0.04	0.02	99.9	3.09	1.1	1.3	1.3	0.3	0.8	99.4	98.4	101.3
2011	5	923	-277	-6.8	-7.2	0.06	0.04	102.2	3.04	0.2	0.4	1.2	-0.2	1.0	101.0	102.0	102.8
2012	11	1052	20	5.4	4.5	0.05	0.04	98.6	3.02	1.3	2.6	3.0	0.0	2.1	100.5	99.6	101.8
2013	8	1036	-179	1.1	-2.9	0.10	0.05	100.1	3.00	2.9	2.6	2.8	1.5	3.0	101.1	100.6	101.0
2014	8	1154	203	10.0	6.9	0.02	-0.01	98.4	2.99	2.1	1.4	2.4	1.8	1.9	101.3	99.5	102.3
2015	5	1113	-78	0.8	4.6	0.05	0.08	98.8	2.97	3.8	3.6	3.0	2.4	2.6	101.6	.	.

Notes:

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2. Production in kg EBV units and conformation in EBV points.
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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	844	292	3.0	11.0	-0.10	-0.01	98.0	3.12	-3.0	-3.0	-1.0	-5.0	0.0	94.0	97.0	94.0
2007	1	692	-132	-1.0	4.0	0.05	0.09	101.0	3.02	-4.0	0.0	-1.0	-1.0	-12.0	93.0	94.0	92.0
2008	3	1017	517	11.7	8.0	-0.11	-0.12	100.3	2.80	-3.3	-4.3	0.0	-4.7	-0.7	100.0	99.3	97.7
2009	4	1210	-59	6.0	2.8	0.10	0.05	97.3	2.89	-0.3	-1.8	0.0	-0.5	0.0	104.3	106.0	103.8
2010	4	1044	-421	3.0	-6.3	0.23	0.10	100.5	2.91	-1.0	-1.8	0.8	-2.0	1.0	102.8	103.3	104.8
2011	2	958	405	3.0	7.0	-0.15	-0.09	99.5	2.93	0.5	0.0	4.5	-0.5	-2.0	98.5	92.0	93.0
2012	7	1205	64	6.1	7.3	0.04	0.05	101.3	2.94	1.4	-0.4	0.9	1.4	0.9	102.4	101.7	101.3
2013	8	1073	-62	3.9	2.3	0.07	0.05	99.1	2.94	-1.3	-2.8	0.3	-0.4	-1.0	102.0	101.7	102.0
2014	7	1156	49	0.1	9.3	-0.02	0.08	100.1	3.01	0.4	-3.6	1.6	0.9	0.6	102.0	101.0	99.7
2015	10	1182	40	11.0	11.8	0.11	0.11	99.3	2.88	-1.7	-2.5	-0.6	-1.1	-0.5	101.3	100.0	102.4

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Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2005	358	743	-165	-8.7	-9.2	-0.02	-0.03	97.6	3.10	-2.7	-1.6	0.2	-3.2	-0.8	99.3	101.6	100.4
2006	390	805	-174	-7.0	-7.1	0.01	-0.00	97.9	3.05	-2.9	-1.8	0.1	-3.4	-0.2	99.9	102.6	100.6
2007	377	859	-100	-3.2	-3.9	0.01	0.00	98.8	3.02	-2.5	-1.4	-0.3	-2.9	-0.3	99.8	101.6	100.8
2008	361	895	-153	-3.4	-4.7	0.04	0.01	98.3	3.00	-1.3	-1.2	0.3	-1.7	0.5	100.6	101.3	101.4
2009	384	882	-75	-3.0	-3.8	0.00	-0.01	98.2	3.04	-1.1	-0.8	-0.1	-1.2	-0.3	99.9	101.0	100.3
2010	359	986	12	-0.6	-0.2	-0.01	-0.01	98.7	3.00	-0.4	-0.6	0.6	-0.4	0.2	101.2	101.5	101.7
2011	372	1000	2	0.7	0.6	0.01	0.01	99.1	3.02	-0.1	-0.1	1.0	-0.2	-0.1	100.7	101.6	100.7
2012	362	973	-14	0.5	0.4	0.01	0.01	98.4	3.01	-0.1	-0.2	0.8	-0.1	0.1	100.3	100.1	99.8
2013	327	1079	66	4.1	4.0	0.02	0.01	98.7	2.99	0.7	0.3	1.8	0.2	0.6	101.3	100.9	100.4
2014	282	1094	62	2.8	3.5	0.01	0.01	99.1	2.97	1.4	0.7	1.7	1.2	1.0	101.5	101.0	100.7
2015	262	1174	152	7.6	7.0	0.02	0.01	98.7	2.93	1.7	1.0	1.6	1.4	1.9	102.1	101.3	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
2005	281	757	-163	-6.0	-7.3	0.01	-0.01	98.0	3.08	-3.0	-1.5	-0.3	-3.5	-0.4	98.8	101.0	100.6
2006	339	814	-114	-2.9	-4.1	0.02	0.00	97.8	3.06	-3.0	-1.7	-0.5	-3.6	-0.2	98.9	101.1	100.0
2007	283	891	-67	-0.2	-2.0	0.03	0.01	98.9	3.04	-1.9	-1.1	-0.6	-2.3	-0.1	99.6	101.3	101.0
2008	312	901	-75	-0.7	-2.6	0.03	0.00	99.2	3.02	-1.6	-1.4	-0.2	-1.9	0.7	100.0	100.7	101.5
2009	271	940	-8	0.4	-1.5	0.01	-0.01	99.1	3.02	-0.7	-0.7	-0.1	-0.9	0.5	100.1	100.9	101.1
2010	266	1021	32	4.2	2.8	0.03	0.02	100.1	2.97	-0.8	-0.8	-0.0	-1.0	0.4	100.6	100.6	101.4
2011	261	983	10	0.2	0.6	-0.00	0.00	99.2	3.01	-0.3	-0.4	0.5	-0.4	0.6	100.5	100.9	100.9
2012	269	1067	73	4.2	4.0	0.02	0.01	99.7	3.00	0.4	0.1	1.1	0.2	0.7	100.8	100.9	100.9
2013	197	1108	137	5.6	4.3	0.00	-0.01	99.3	2.97	0.9	0.6	1.4	0.9	0.6	101.4	101.2	101.3
2014	249	1132	132	6.8	6.2	0.02	0.01	99.4	2.96	0.8	0.5	1.0	0.5	0.9	101.5	101.0	101.3
2015	184	1205	187	10.6	8.5	0.03	0.01	99.8	2.94	1.9	1.5	1.6	1.4	1.4	101.8	101.5	100.6

Notes:

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

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2005	97	654	-316	-15.9	-13.7	-0.03	-0.01	98.6	3.08	-1.9	-1.6	-0.6	-2.1	0.1	98.5	99.9	99.5
2006	103	776	-145	-9.4	-7.2	-0.03	-0.01	99.3	3.06	-0.9	-0.7	-0.1	-1.5	1.3	98.8	99.3	100.0
2007	84	768	-254	-11.2	-9.4	-0.00	0.00	98.7	3.07	-0.4	-0.8	-0.6	-0.6	1.2	98.8	100.0	101.1
2008	91	830	-218	-6.4	-8.0	0.03	0.01	98.2	3.04	-0.4	-0.1	-0.1	-1.0	2.6	99.2	100.6	101.9
2009	80	844	-182	-6.4	-8.0	0.02	-0.01	98.5	3.04	-0.2	-0.2	0.3	-0.8	1.9	99.8	101.1	100.9
2010	77	834	-132	-8.7	-7.6	-0.03	-0.03	99.8	3.03	-0.3	-0.3	0.0	-0.7	2.0	99.8	101.4	102.0
2011	76	953	-99	-1.2	-4.0	0.04	0.00	98.4	3.01	1.8	1.8	1.6	1.1	1.9	100.2	100.6	101.0
2012	90	942	-41	-4.1	-4.0	-0.02	-0.02	100.0	3.00	0.9	0.6	1.0	0.6	1.6	100.7	101.4	101.8
2013	79	996	10	-1.3	-0.9	-0.02	-0.01	99.4	3.00	2.0	1.4	1.6	1.4	2.3	100.5	100.3	101.8
2014	52	1024	30	-1.0	0.4	-0.03	-0.01	100.5	2.95	1.1	0.7	1.3	1.1	0.6	101.1	100.0	101.7
2015	48	996	-83	-2.3	-3.7	0.02	-0.00	98.9	2.98	2.4	1.7	1.6	1.8	2.6	101.5	102.6	101.2

Notes:

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2. Production in kg EBV units and conformation in EBV points.
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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	-229	-9.7	-8.0	0.00	0.01	95.3	3.11	-3.7	-1.2	0.3	-4.7	-1.0	97.3	100.2	98.0
2006	3	544	-336	-9.7	-11.7	0.06	0.01	96.3	3.10	-9.3	-5.3	-2.0	-9.3	0.0	96.7	103.0	93.0
2007	6	788	-3	-10.2	-1.7	-0.11	-0.01	98.0	3.26	-1.0	-0.3	3.3	-1.5	-2.5	98.2	101.6	101.3
2008	4	853	321	0.8	-2.0	-0.14	-0.15	99.5	3.12	-2.0	0.8	-0.3	-2.5	-0.8	98.0	105.0	.
2009	2	861	152	2.0	-2.5	-0.05	-0.09	97.5	2.95	-6.5	-6.0	-2.5	-6.0	2.5	100.5	.	.
2010	1	1027	325	-16.0	8.0	-0.33	-0.04	95.0	2.86	3.0	3.0	6.0	1.0	0.0	102.0	98.0	101.0
2011	3	850	-6	-1.3	1.3	-0.01	0.01	99.3	3.05	-0.7	1.3	3.3	-1.7	-1.3	97.3	97.0	96.0
2012	4	940	62	-6.0	-5.5	-0.08	-0.08	102.0	2.87	-0.5	-2.3	0.5	-0.3	-0.3	101.8	102.0	101.0
2013	2	895	-67	-5.5	-5.0	-0.03	-0.03	100.5	3.03	2.0	2.5	1.5	2.0	-0.5	98.5	.	.

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Alberta

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2005	44	881	336	1.2	3.1	-0.13	-0.10	97.9	3.03	-3.3	-1.3	-2.2	-3.5	1.6	98.0	100.6	96.9
2006	55	887	206	-1.1	1.3	-0.10	-0.07	97.5	3.02	-2.8	-1.2	-1.9	-2.9	0.8	98.4	101.5	98.6
2007	29	739	-172	-9.9	-9.9	-0.02	-0.03	97.1	3.06	-2.9	-1.9	-0.4	-3.5	0.8	99.3	102.0	103.0
2008	29	918	258	0.4	2.4	-0.12	-0.08	98.7	3.01	-1.3	-1.3	0.2	-1.2	1.9	98.4	97.9	97.8
2009	39	864	89	-2.5	-0.2	-0.07	-0.04	98.9	3.06	-2.1	-1.3	-1.3	-2.1	0.1	98.4	100.2	97.6
2010	20	976	174	-1.5	-0.7	-0.08	-0.06	98.0	2.96	-1.4	-2.1	-0.7	-1.1	0.7	101.5	101.5	100.9
2011	11	1029	290	-0.5	1.9	-0.14	-0.09	98.1	2.95	-2.5	-1.5	0.0	-2.7	3.3	101.9	104.5	102.2
2012	10	1057	288	4.1	8.0	-0.08	-0.03	98.7	3.07	-0.8	-0.4	0.4	-1.2	2.0	100.5	100.9	100.0
2013	14	1105	188	6.4	7.1	-0.01	0.00	99.4	2.92	-1.0	-1.0	-0.3	-0.9	0.8	101.0	101.7	99.4
2014	9	1247	210	12.4	12.6	0.04	0.05	99.8	2.94	0.3	-1.3	0.4	-0.1	3.2	102.3	100.7	98.0
2015	5	1284	103	11.6	7.6	0.08	0.04	99.4	2.96	1.4	-1.2	2.8	1.2	3.8	104.4	102.3	103.5

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
2005	7	709	-342	-11.4	-10.6	0.03	0.03	98.0	3.15	-0.1	1.1	0.6	-1.0	0.0	97.7	101.0	98.0
2006	19	778	-242	-6.2	-10.3	0.04	-0.01	99.3	3.02	-1.3	-1.2	-1.7	-1.1	0.6	99.3	100.0	100.5
2007	37	707	-387	-15.3	-13.5	-0.00	0.01	98.1	3.08	-0.4	-0.3	-0.1	-0.9	2.1	99.2	99.4	98.3
2008	22	750	-277	-13.0	-11.0	-0.02	-0.00	98.9	3.13	0.2	0.8	0.7	-0.5	2.3	99.1	101.4	102.4
2009	31	892	1	-5.6	-3.8	-0.06	-0.04	100.2	3.05	1.4	2.3	1.3	0.7	1.5	99.3	100.9	100.5
2010	41	856	-90	-3.4	-6.1	-0.00	-0.03	100.6	3.04	1.1	1.9	0.9	0.5	1.8	98.9	98.4	98.1
2011	17	1019	97	-0.6	1.2	-0.06	-0.02	101.2	2.97	1.2	1.3	1.6	0.8	0.6	100.7	100.9	101.7
2012	32	1085	-137	-2.1	-0.6	0.05	0.05	100.8	2.97	2.0	-0.1	1.2	2.3	2.5	102.2	101.8	101.1
2013	18	1108	94	3.6	5.4	-0.00	0.02	100.9	2.99	1.8	2.2	0.6	1.2	1.9	101.1	102.6	101.6
2014	45	1007	17	-1.5	-0.4	-0.02	-0.01	99.8	3.00	1.4	0.7	0.9	1.2	1.3	101.0	102.6	101.3
2015	61	979	-98	-2.0	-2.1	0.02	0.02	99.5	2.98	0.5	0.1	0.4	0.6	1.6	101.2	101.6	101.6

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Newfoundland

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2007	1	541	-158	-16.0	-8.0	-0.11	-0.02	98.0	3.22	-3.0	0.0	3.0	-7.0	-4.0	96.0	101.0	95.0

Notes:

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