

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

Prince Edward Island

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2009	1	460	-277	-5.0	-4.0	0.10	0.07	102.0	2.91	-3.0	-2.0	-1.0	-3.0	-1.0	98.0	99.0	.
2011	1	656	-112	9.0	-4.0	0.20	0.00	104.0	2.99	2.0	-2.0	0.0	2.0	1.0	101.0	99.0	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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Nova Scotia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2002	3	305	-658	-20.3	-19.3	0.11	0.04	100.7	3.02	-0.3	-0.7	-4.0	-0.7	3.3	100.3	103.0	103.5

Notes:

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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
2001	36	359	-225	-18.4	-11.0	-0.13	-0.04	98.1	3.07	-1.4	-0.8	-1.4	-1.4	0.2	99.5	100.1	102.3
2002	32	404	-327	-15.9	-10.7	-0.03	0.01	99.2	3.06	-0.6	-0.8	-1.1	-0.5	0.6	99.7	100.0	101.6
2003	37	473	-230	-14.8	-10.1	-0.07	-0.03	98.4	2.98	0.1	-0.5	-0.3	-0.1	0.3	101.6	100.6	101.6
2004	31	568	-186	-3.8	-4.9	0.07	0.02	102.0	2.96	0.8	0.2	0.0	0.8	0.3	100.4	98.9	99.7
2005	50	526	-124	-5.1	-5.6	0.01	-0.02	101.0	3.03	0.5	0.3	-0.6	0.2	1.2	99.7	99.6	100.3
2006	30	572	-154	-4.0	-5.9	0.04	-0.01	100.2	3.00	1.1	1.2	1.9	-0.7	3.2	100.7	100.6	100.1
2007	32	676	-90	-3.0	-2.4	0.02	0.01	99.0	2.96	1.8	0.2	1.9	0.6	2.0	102.3	101.2	102.4
2008	48	611	-14	-0.6	-1.4	0.01	-0.01	96.9	3.01	-0.3	-1.3	-0.4	-0.4	1.2	101.0	100.2	100.8
2009	40	602	-137	-1.2	-4.2	0.08	0.01	100.3	2.93	1.0	0.3	0.1	0.6	1.0	100.8	99.5	100.6
2010	27	687	-178	5.6	-3.9	0.20	0.03	101.4	2.89	2.1	0.5	1.0	1.4	1.3	101.7	99.8	101.7
2011	11	824	-13	16.5	2.6	0.23	0.03	100.5	2.95	2.1	-0.1	1.8	1.9	-0.9	102.1	99.5	102.7

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	1	610	299	-5.0	9.0	-0.26	-0.01	89.0	2.77	-3.0	-3.0	-4.0	-6.0	0.0	102.0	.	.
2002	3	543	-96	-8.3	-2.0	-0.02	0.02	96.7	2.97	-1.0	0.0	0.7	-1.3	-1.3	100.0	98.0	98.0
2003	1	552	-644	-13.0	-11.0	0.22	0.15	103.0	2.94	-1.0	-4.0	1.0	1.0	-3.0	103.0	102.0	100.0
2004	2	774	515	6.0	11.0	-0.21	-0.08	94.0	3.23	-0.5	-3.0	-1.0	0.5	-4.0	101.5	101.5	.
2005	4	579	-177	-4.8	-7.8	0.04	-0.03	98.5	2.95	1.8	-1.3	-2.0	2.8	0.5	102.3	100.0	101.5
2006	3	620	236	-6.3	2.0	-0.19	-0.07	96.7	2.97	0.3	1.0	0.0	0.0	-0.3	100.3	99.5	99.0
2007	4	755	162	7.0	5.0	-0.01	-0.00	100.5	2.93	0.8	0.3	-0.8	2.5	-1.0	100.8	99.3	100.5
2008	5	728	319	2.0	8.2	-0.14	-0.02	96.4	2.93	-0.2	-0.6	0.8	-1.2	-1.8	101.2	99.3	.
2009	4	661	322	0.0	7.5	-0.20	-0.04	95.5	3.07	-1.0	-2.5	-0.3	-0.3	1.5	100.3	97.0	104.0
2010	4	626	-153	4.3	-0.8	0.17	0.07	96.3	2.89	-0.3	0.3	0.5	-0.8	-1.5	100.8	97.5	102.7
2011	1	853	49	12.0	0.0	0.16	-0.01	99.0	2.78	8.0	6.0	0.0	7.0	2.0	102.0	99.0	101.0

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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	148	455	-370	-14.0	-11.0	0.03	0.02	97.6	3.02	1.7	1.0	-0.7	0.9	2.1	100.4	99.9	100.8
2002	122	468	-322	-12.0	-9.2	0.03	0.03	97.9	3.04	0.6	0.0	-0.9	0.1	2.3	100.2	100.3	100.7
2003	142	593	-187	-4.8	-6.4	0.05	0.00	98.7	2.94	1.9	0.8	0.1	1.4	1.7	101.5	100.1	100.4
2004	125	625	-96	-1.1	-2.6	0.05	0.01	98.3	2.98	1.1	0.3	0.0	1.0	1.4	100.9	99.8	100.4
2005	108	585	-64	-1.2	-2.8	0.03	-0.00	99.5	2.99	0.9	1.0	-0.5	0.3	2.0	100.0	99.1	99.4
2006	100	672	101	2.6	2.3	-0.02	-0.01	98.5	3.01	0.7	0.8	1.1	-0.4	2.2	100.2	100.1	99.2
2007	100	718	20	0.8	1.6	0.00	0.02	99.3	3.02	1.7	0.6	1.0	0.9	1.5	101.2	101.8	101.3
2008	117	691	10	3.1	1.1	0.04	0.01	98.5	2.99	1.2	0.2	-0.1	0.9	1.6	101.0	100.5	100.1
2009	83	736	110	9.0	3.4	0.06	-0.00	98.7	2.97	0.9	0.5	-0.1	0.6	1.0	101.0	99.9	100.4
2010	100	688	-105	5.6	-2.3	0.16	0.02	99.9	2.94	1.4	0.1	0.2	1.3	0.7	101.4	100.4	101.1
2011	84	758	5	8.4	0.8	0.13	0.01	99.5	2.96	2.3	0.8	1.0	2.4	0.3	101.5	100.2	101.0

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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	1	276	-461	-23.0	-16.0	-0.05	0.00	95.0	2.96	3.0	3.0	0.0	0.0	7.0	98.0	97.0	97.0
2003	1	818	-68	-1.0	2.0	0.03	0.05	102.0	3.08	6.0	7.0	6.0	0.0	6.0	101.0	105.0	106.0
2004	1	504	-657	-13.0	-18.0	0.23	0.07	104.0	2.99	0.0	-2.0	2.0	-1.0	-3.0	102.0	106.0	.
2006	1	559	-95	2.0	-2.0	0.11	0.04	105.0	3.09	-2.0	-2.0	0.0	-2.0	-3.0	99.0	.	.
2007	1	548	294	-1.0	7.0	-0.19	-0.04	102.0	3.06	0.0	6.0	1.0	-4.0	-1.0	95.0	98.0	.
2008	1	436	0	-7.0	-3.0	-0.10	-0.04	103.0	3.02	-3.0	2.0	1.0	-5.0	-4.0	97.0	99.0	.
2009	1	671	-12	-1.0	2.0	-0.01	0.03	99.0	3.21	-3.0	-5.0	-3.0	-1.0	-5.0	100.0	107.0	.
2010	1	513	484	0.0	6.0	-0.29	-0.13	101.0	3.23	-3.0	-1.0	-4.0	-2.0	-3.0	96.0	.	.

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
2001	3	652	-4	-2.0	-2.0	-0.01	-0.02	95.0	2.83	2.7	0.0	-0.7	3.0	1.3	101.3	99.0	99.3
2002	9	451	-272	-11.1	-7.8	0.01	0.02	99.2	3.13	1.0	0.7	-1.3	0.3	0.4	98.3	100.3	100.7
2003	5	439	-159	-3.2	-6.8	0.06	-0.02	97.8	2.99	-1.4	-1.4	0.0	-2.4	-1.6	98.6	97.6	99.3
2004	5	641	-471	-10.0	-13.0	0.15	0.04	102.0	2.86	5.8	2.0	3.6	6.4	1.2	103.0	99.8	99.0
2005	4	653	164	3.0	1.8	-0.05	-0.05	101.5	2.93	0.5	0.5	-0.8	0.5	1.0	100.0	98.8	100.3
2006	2	484	-482	-14.5	-11.5	0.09	0.07	98.5	3.06	1.5	1.5	2.0	-1.0	2.5	101.5	101.0	103.5
2007	4	518	-139	-16.8	-7.5	-0.17	-0.04	96.8	3.02	0.3	1.3	1.3	1.0	-1.0	100.3	101.8	97.3
2008	6	701	24	-4.3	-0.7	-0.08	-0.02	96.7	2.87	2.7	2.3	3.0	0.3	2.3	103.3	99.8	101.5
2009	6	959	262	21.8	8.8	0.16	0.00	98.3	2.82	5.7	5.3	2.5	4.8	1.2	101.3	98.2	100.8
2010	1	1070	987	26.0	19.0	-0.21	-0.18	89.0	2.74	1.0	1.0	5.0	0.0	5.0	104.0	100.0	96.0
2011	7	779	48	7.3	0.4	0.09	-0.01	99.3	2.88	3.1	1.7	2.6	3.3	-0.4	102.3	97.8	98.0

Notes:

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