

**Provincial genetic trends by birth year for Guernsey cows**  
Canadian Dairy Network, August 2013

**Prince Edward Island**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2009	1	373	-334	-8.0	-7.0	0.08	0.06	101.0	2.89	-3.0	-2.0	0.0	-3.0	-1.0	98.0	99.0	.

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
2000	6	317	-268	-24.7	-12.0	-0.20	-0.04	97.3	3.01	0.5	0.7	1.8	-1.3	0.5	100.7	98.0	99.5
2002	3	280	-611	-18.3	-17.3	0.09	0.05	100.7	3.01	-0.7	-1.0	-4.3	-0.7	2.0	100.0	103.5	103.5

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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**New Brunswick**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2000	28	519	-226	-4.6	-6.3	0.07	0.02	101.7	2.97	0.8	-0.3	-0.3	0.9	0.5	100.9	99.9	101.0
2001	36	362	-167	-15.6	-8.5	-0.13	-0.04	98.4	3.06	-1.6	-1.2	-1.4	-1.1	-0.3	99.6	100.7	102.4
2002	32	389	-285	-13.8	-8.8	-0.03	0.02	99.5	3.05	-0.8	-1.3	-0.9	-0.3	0.2	99.8	100.0	101.5
2003	37	450	-189	-12.9	-8.3	-0.07	-0.02	98.6	2.97	-0.1	-0.9	-0.5	0.2	-0.0	101.4	100.4	101.5
2004	31	543	-153	-2.6	-3.6	0.06	0.03	102.0	2.95	0.5	-0.2	-0.1	1.0	0.0	100.4	98.9	99.9
2005	50	529	-84	-3.0	-3.8	0.01	-0.01	101.0	3.02	0.4	-0.0	-0.6	0.5	0.6	100.0	100.2	100.7
2006	30	567	-120	-2.6	-4.3	0.04	-0.00	100.6	3.00	1.1	0.8	2.2	-0.4	2.3	100.7	101.0	100.6
2007	32	657	-41	-0.4	-0.4	0.02	0.02	99.1	2.95	1.3	-0.3	1.5	0.9	1.2	101.9	100.6	102.5
2008	48	587	40	1.4	0.6	0.01	-0.01	97.0	3.01	-0.4	-1.5	-0.6	-0.0	0.7	100.5	99.5	100.5
2009	40	599	-125	0.5	-3.5	0.09	0.01	99.7	2.93	1.0	0.1	0.2	1.1	0.9	101.2	100.2	100.8
2010	19	672	-93	6.7	-1.7	0.15	0.01	100.6	2.92	1.3	-0.1	0.5	1.2	0.5	101.5	101.5	101.7

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
2000	1	487	-276	-6.0	-2.0	0.08	0.10	97.0	3.02	-2.0	1.0	-2.0	0.0	-4.0	98.0	.	.
2001	1	599	347	-2.0	12.0	-0.23	0.00	89.0	2.76	-4.0	-4.0	-4.0	-6.0	0.0	101.0	.	.
2002	3	555	-12	-5.0	1.0	-0.03	0.02	96.7	2.95	-1.0	-0.3	0.3	-0.7	-1.7	100.0	98.0	98.0
2003	1	561	-576	-10.0	-9.0	0.20	0.15	103.0	2.92	0.0	-4.0	1.0	2.0	-3.0	103.0	102.0	100.0
2004	2	770	570	8.0	12.5	-0.20	-0.09	94.5	3.24	-1.0	-3.0	-1.0	1.5	-4.0	101.5	101.0	.
2005	4	561	-154	-3.8	-7.3	0.04	-0.03	98.5	2.94	1.8	-1.5	-2.0	3.3	0.0	102.5	100.3	102.0
2006	3	613	266	-4.3	3.3	-0.18	-0.06	96.7	2.96	0.3	0.3	-0.3	0.3	-0.3	100.7	100.0	100.0
2007	4	744	212	8.5	7.3	-0.01	0.00	100.5	2.92	0.8	-0.3	-1.0	2.8	-1.5	100.8	98.7	100.5
2008	5	718	320	4.4	9.8	-0.10	-0.00	97.0	2.95	-0.6	-0.8	0.4	-0.8	-1.8	101.0	99.0	.
2009	4	659	356	1.5	8.5	-0.18	-0.04	94.8	3.06	-0.3	-2.5	0.0	-0.3	1.0	100.5	97.0	.
2010	4	608	-221	2.0	-2.8	0.17	0.07	96.8	2.92	0.0	0.5	1.0	-0.3	-0.8	101.5	99.0	103.5

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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**Ontario**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2000	149	464	-241	-8.9	-7.5	0.02	0.01	97.3	2.99	0.9	0.3	0.1	0.4	1.0	100.5	98.9	99.9
2001	148	439	-326	-11.9	-9.1	0.02	0.03	97.9	3.01	1.5	0.6	-0.7	1.0	1.5	100.3	100.0	101.0
2002	122	448	-288	-10.4	-7.6	0.02	0.03	98.0	3.03	0.4	-0.3	-0.8	0.4	1.6	100.2	100.3	100.9
2003	142	580	-142	-3.0	-4.5	0.04	0.01	98.8	2.92	1.6	0.3	0.1	1.7	1.0	101.4	100.0	100.4
2004	125	605	-62	0.4	-1.2	0.05	0.02	98.4	2.98	0.9	-0.0	0.0	1.2	1.1	100.8	99.6	100.5
2005	108	578	-30	0.5	-1.2	0.03	0.00	99.4	2.99	0.9	0.7	-0.4	0.6	1.4	100.2	99.3	99.7
2006	100	657	126	3.7	3.6	-0.02	-0.00	98.6	3.00	0.6	0.5	1.1	0.0	1.7	100.2	100.1	99.5
2007	100	697	65	2.6	3.3	0.00	0.02	99.5	3.02	1.4	0.2	0.7	1.2	0.9	100.9	101.6	101.3
2008	116	673	57	5.2	2.8	0.04	0.01	98.5	2.99	0.9	-0.2	-0.3	1.2	1.1	100.7	100.2	100.2
2009	80	725	154	10.9	5.0	0.06	-0.00	98.4	2.98	0.9	0.2	-0.1	1.0	0.7	100.8	99.9	100.4
2010	95	662	-102	5.4	-1.9	0.14	0.02	99.4	2.95	1.5	0.2	0.4	1.6	0.4	101.4	101.2	102.1

Notes:

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**Alberta**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2000	3	229	-547	-33.0	-18.7	-0.01	0.06	99.0	2.97	-2.0	-3.7	-1.7	0.7	-1.0	102.3	.	.
2001	1	268	-408	-20.0	-13.0	-0.06	0.01	95.0	2.94	3.0	2.0	0.0	0.0	6.0	98.0	97.0	98.0
2003	1	798	-36	0.0	3.0	0.03	0.06	102.0	3.07	6.0	6.0	6.0	1.0	5.0	100.0	105.0	106.0
2004	1	518	-620	-11.0	-16.0	0.20	0.07	104.0	3.00	0.0	-2.0	2.0	0.0	-3.0	102.0	107.0	.
2006	1	537	-47	3.0	0.0	0.07	0.03	105.0	3.10	-2.0	-2.0	0.0	-1.0	-2.0	98.0	.	.
2007	1	499	322	0.0	8.0	-0.18	-0.03	102.0	3.06	0.0	6.0	1.0	-3.0	-2.0	94.0	97.0	.
2008	1	377	30	-6.0	-1.0	-0.09	-0.03	103.0	3.03	-2.0	1.0	1.0	-5.0	-4.0	96.0	98.0	.
2009	1	601	54	0.0	4.0	-0.03	0.03	98.0	3.20	-4.0	-5.0	-4.0	-1.0	-4.0	99.0	105.0	.
2010	1	462	456	-1.0	6.0	-0.27	-0.13	101.0	3.24	-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
2000	7	489	-207	-5.6	-7.3	0.04	-0.00	98.7	2.98	1.9	0.1	-0.1	1.6	0.9	100.6	98.7	97.8
2001	3	657	13	1.7	0.7	0.02	0.01	96.7	2.81	2.3	-0.3	-0.7	2.7	0.7	101.3	99.0	99.3
2002	9	423	-244	-9.6	-6.1	0.01	0.03	99.7	3.12	0.7	0.1	-1.7	0.3	0.1	98.2	100.3	100.6
2003	5	415	-115	-1.2	-5.2	0.05	-0.02	97.8	2.96	-1.8	-1.4	-0.4	-2.0	-1.6	98.4	97.4	99.0
2004	5	595	-469	-10.6	-12.8	0.13	0.04	102.4	2.84	5.0	1.2	3.4	6.0	0.8	103.2	100.0	99.4
2005	4	666	199	5.5	3.3	-0.03	-0.04	101.5	2.93	0.8	0.0	-1.5	0.8	0.5	100.8	99.8	101.0
2006	2	444	-460	-13.0	-10.5	0.09	0.08	98.5	3.05	1.5	0.5	2.0	-1.0	1.5	101.0	101.0	104.0
2007	4	489	-52	-14.0	-4.8	-0.18	-0.03	96.3	3.01	0.0	0.5	0.3	1.0	-0.8	99.8	101.3	96.5
2008	6	688	103	-1.0	2.3	-0.07	-0.02	97.2	2.87	1.8	1.5	2.5	0.5	1.5	102.7	99.2	101.0
2009	6	943	240	21.8	8.5	0.18	0.01	98.8	2.85	5.7	5.2	2.3	5.2	1.5	101.7	99.0	100.3
2010	1	1100	847	33.0	22.0	-0.01	-0.08	97.0	2.67	1.0	0.0	5.0	0.0	4.0	103.0	99.0	96.0

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.