

Provincial genetic trends by birth year for Guernsey cows
Canadian Dairy Network, August 2011

Nova Scotia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1998	11	-888	-827	-31.9	-26.5	0.04	0.03	102.1	2.97	-0.2	-1.2	0.9	-1.5	0.1	100.6	101.1	101.0
1999	9	-743	-819	-28.6	-23.4	0.08	0.06	101.0	3.01	-1.3	-3.8	-0.1	-2.4	0.7	102.4	103.1	104.7
2000	6	-476	-158	-21.5	-8.5	-0.21	-0.04	98.0	3.04	0.3	0.2	2.3	-1.2	-0.3	100.7	98.0	99.0
2002	3	-529	-492	-14.7	-13.7	0.07	0.04	101.3	3.04	-1.0	-1.7	-4.0	-0.7	1.7	100.3	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.
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
1998	36	-537	-392	-18.2	-12.2	-0.02	0.02	101.1	2.99	-0.4	0.1	0.4	-0.3	-0.9	99.9	98.3	100.8
1999	45	-465	-190	-13.6	-7.5	-0.07	-0.01	99.7	3.04	-1.7	-0.4	1.0	-2.1	0.1	99.5	99.4	101.5
2000	27	-33	-130	-1.1	-3.3	0.07	0.02	102.5	3.00	1.1	-0.9	0.2	1.1	0.1	101.6	100.6	100.5
2001	34	-375	-69	-11.4	-4.9	-0.13	-0.03	99.6	3.08	-1.5	-1.6	-1.2	-0.9	-0.4	99.7	101.0	102.3
2002	29	-328	-161	-9.5	-4.8	-0.04	0.01	100.3	3.07	-0.8	-2.1	-0.9	-0.2	-0.3	99.6	100.3	101.4
2003	33	-123	-69	-9.7	-4.1	-0.10	-0.02	99.8	2.98	0.3	-1.2	0.3	0.8	-0.3	102.3	101.0	101.7
2004	28	-51	-4	1.3	1.1	0.03	0.02	102.4	3.01	0.6	-0.3	0.3	1.0	-0.1	99.8	98.6	99.5
2005	48	22	53	1.3	0.8	-0.01	-0.01	101.9	3.04	0.5	-0.1	-0.0	0.5	0.5	100.7	101.1	101.2
2006	29	39	15	2.5	0.3	0.03	-0.00	100.3	3.04	0.9	0.8	2.0	0.1	2.0	100.5	100.9	100.0
2007	30	200	18	2.3	2.0	0.03	0.03	99.9	2.97	1.0	-0.6	1.8	0.6	0.9	102.6	102.3	101.9
2008	36	28	140	2.0	3.4	-0.06	-0.02	98.6	3.03	-0.2	-1.8	-0.3	0.3	0.4	100.8	101.8	98.6

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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Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1998	3	-522	-169	-15.0	-7.7	-0.12	-0.03	98.3	3.07	-1.3	-2.0	-5.0	1.0	-3.3	99.0	101.0	104.0
1999	1	-204	-243	-9.0	-6.0	0.01	0.03	100.0	2.96	0.0	2.0	2.0	0.0	-3.0	100.0	.	.
2000	1	-212	-172	-3.0	1.0	0.07	0.09	98.0	3.05	-2.0	1.0	-1.0	0.0	-6.0	97.0	.	.
2001	1	86	459	2.0	15.0	-0.24	-0.01	91.0	2.77	-3.0	-3.0	-4.0	-4.0	-1.0	102.0	.	.
2002	3	-21	76	-2.7	4.0	-0.04	0.02	97.7	2.97	-0.7	-0.7	1.3	-0.7	-2.3	100.3	99.0	99.0
2003	1	127	-412	-7.0	-4.0	0.15	0.13	103.0	2.93	1.0	-4.0	3.0	3.0	-3.0	104.0	101.0	.
2004	2	359	686	11.5	16.5	-0.22	-0.08	95.0	3.26	-0.5	-3.0	-0.5	1.5	-4.5	101.0	101.0	.
2005	4	-13	-43	-1.0	-3.5	0.01	-0.03	99.5	2.96	1.5	-2.0	-2.0	2.5	-0.5	102.8	100.3	101.5
2006	3	165	391	0.7	8.0	-0.18	-0.06	97.3	3.00	0.3	-0.3	0.7	0.3	-1.3	101.0	101.5	100.0
2007	4	353	284	11.3	10.3	-0.02	0.01	101.0	2.92	1.0	-0.8	-0.3	2.8	-1.5	101.0	99.0	99.0
2008	4	275	291	8.5	11.3	-0.03	0.03	99.8	2.95	-0.3	-1.3	0.5	0.0	-3.0	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.
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Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1998	196	-438	-303	-16.5	-10.3	-0.06	0.00	97.7	3.02	-0.5	-0.8	0.6	-0.6	-0.5	100.6	100.3	101.2
1999	170	-320	-171	-11.2	-5.7	-0.06	0.00	97.9	3.04	0.4	0.9	1.2	-0.7	1.2	99.9	99.0	100.1
2000	149	-158	-122	-5.7	-3.9	-0.00	0.01	98.2	3.02	0.9	0.0	0.6	0.5	0.5	100.9	99.4	99.9
2001	148	-239	-214	-8.9	-5.6	0.00	0.02	98.8	3.04	1.2	0.3	-0.4	0.9	1.2	100.4	100.2	100.8
2002	122	-255	-188	-7.8	-4.5	0.00	0.03	98.7	3.06	0.2	-0.6	-0.6	0.2	1.2	100.0	100.5	100.5
2003	141	40	-40	-0.5	-1.1	0.02	0.01	99.6	2.95	1.5	0.1	0.7	1.6	0.7	101.6	100.1	100.3
2004	123	80	58	4.0	2.7	0.03	0.01	99.2	3.01	0.8	-0.2	0.4	1.0	0.5	100.7	99.9	100.4
2005	106	65	92	4.2	3.0	0.01	0.00	100.1	3.02	0.8	0.5	0.0	0.5	1.1	100.4	100.2	100.1
2006	99	171	225	7.1	7.2	-0.03	-0.00	99.2	3.02	0.5	0.3	1.5	-0.0	1.4	100.3	100.0	99.4
2007	95	201	143	5.2	6.1	-0.01	0.02	99.5	3.05	1.6	0.3	0.9	1.3	0.5	100.6	101.1	101.2
2008	92	203	170	8.4	6.2	0.02	0.01	98.5	3.01	0.8	-0.4	-0.0	1.1	0.8	100.9	100.6	98.6

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
1998	14	-706	-460	-30.2	-14.2	-0.15	0.03	96.2	3.05	-1.1	-3.3	-1.7	0.1	-2.1	101.2	99.9	100.5
1999	19	-517	-390	-19.0	-12.1	0.01	0.04	98.3	3.01	-0.8	-1.8	-0.2	-0.4	0.3	100.4	100.6	98.8
2000	3	-617	-442	-29.3	-15.0	-0.02	0.06	99.7	3.01	-1.7	-3.7	-1.3	1.0	-1.7	102.3	.	.
2001	1	-523	-274	-16.0	-9.0	-0.07	0.01	96.0	2.96	2.0	0.0	1.0	0.0	5.0	98.0	98.0	98.0
2003	1	435	75	3.0	6.0	0.00	0.05	103.0	3.10	5.0	6.0	6.0	1.0	4.0	100.0	105.0	105.0
2004	1	-83	-502	-8.0	-12.0	0.19	0.06	104.0	3.03	0.0	-2.0	2.0	0.0	-3.0	102.0	106.0	.
2006	1	-71	76	8.0	3.0	0.06	0.03	104.0	3.12	-1.0	-2.0	-1.0	0.0	-2.0	98.0	.	.
2007	1	-134	443	6.0	14.0	-0.17	-0.01	102.0	3.12	1.0	6.0	2.0	-3.0	-2.0	93.0	97.0	.
2008	1	-285	152	0.0	5.0	-0.08	-0.01	103.0	3.08	-2.0	1.0	1.0	-4.0	-4.0	95.0	.	.

Notes:

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British Columbia

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1998	15	-546	-191	-15.7	-9.0	-0.11	-0.03	98.3	3.02	-3.1	-1.5	-1.7	-1.9	-4.9	99.1	101.0	102.4
1999	9	-383	-195	-12.1	-5.2	-0.07	0.02	99.0	3.03	1.2	2.1	1.7	-0.7	1.4	98.4	97.9	98.0
2000	7	-99	-81	-2.6	-3.0	0.01	-0.01	99.6	3.00	2.0	-0.1	0.4	1.6	0.4	100.7	99.1	98.0
2001	3	63	68	-0.7	2.0	-0.04	0.00	97.7	2.86	2.0	-1.7	0.0	2.3	0.0	101.3	99.0	99.0
2002	9	-298	-137	-6.4	-2.7	-0.01	0.03	100.2	3.14	0.7	0.0	-1.0	0.1	-0.3	97.9	100.4	100.3
2003	5	-298	-24	1.2	-2.2	0.04	-0.01	98.8	2.97	-1.6	-1.6	0.2	-1.8	-2.0	98.4	97.3	98.3
2004	5	70	-391	-8.2	-10.2	0.12	0.04	103.8	2.87	4.4	0.4	4.4	5.0	0.4	103.4	99.6	99.8
2005	4	310	287	8.3	7.0	-0.04	-0.03	102.3	2.95	0.8	-0.3	-1.0	1.3	0.3	102.0	101.8	101.8
2006	2	-294	-471	-13.5	-11.5	0.09	0.07	100.5	3.02	1.0	0.5	2.5	-1.0	0.0	101.5	101.5	103.5
2007	4	-176	-82	-10.8	-3.5	-0.09	-0.00	99.0	3.00	0.3	0.8	1.5	1.3	-1.3	99.3	101.3	96.0
2008	6	84	2	-3.2	-0.5	-0.05	-0.01	99.2	2.93	1.5	1.0	2.5	0.5	0.8	102.5	104.0	101.0

Notes:

1. Based on all cows with both production and type indexes.
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