

Provincial genetic trends by birth year for Milking Shorthorn cows
Canadian Dairy Network, August 2010

Prince Edward Island

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1997	19	258	-10	-0.6	-1.3	0.00	-0.02	98.7	2.96	0.1	-1.9	-0.8	1.1	0.1	103.7	105.3	102.3
1998	15	38	106	5.5	1.7	0.02	-0.03	99.2	3.12	-0.7	-1.7	-2.3	0.6	0.7	98.5	101.9	100.0
1999	21	389	219	8.3	5.0	-0.01	-0.03	100.0	3.04	1.1	0.5	-0.3	1.6	1.9	99.2	100.9	102.4
2000	22	70	123	-0.2	1.3	-0.09	-0.05	100.3	3.08	1.2	-0.9	-2.4	3.9	0.5	99.0	100.3	98.0
2001	11	-158	96	-0.8	0.0	-0.08	-0.06	97.3	3.15	-0.1	-1.9	-2.1	2.3	0.5	98.5	100.0	99.0
2002	16	280	159	4.3	3.1	-0.04	-0.03	98.9	2.99	0.2	-1.1	0.0	0.8	0.0	100.8	101.6	105.0
2003	13	312	101	1.6	3.1	-0.04	0.01	98.7	3.07	0.8	-1.8	-0.1	2.5	0.7	101.6	102.8	99.0
2004	12	303	173	1.1	5.2	-0.10	0.01	98.8	3.05	2.4	-0.1	-1.1	3.3	2.3	100.3	100.5	96.5
2005	13	328	108	0.2	2.5	-0.06	-0.01	99.8	2.95	0.1	-1.8	-0.5	1.8	0.2	102.0	103.0	.
2006	15	563	134	9.3	3.3	0.07	-0.01	99.6	2.94	1.3	0.7	-0.7	1.5	1.0	102.5	104.6	.
2007	7	386	213	6.6	5.1	-0.03	-0.02	100.6	3.02	1.7	0.1	0.1	1.3	2.1	101.3	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.
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
1997	1	812	163	11.0	1.0	0.07	-0.09	99.0	2.98	6.0	0.0	-1.0	6.0	2.0	106.0	107.0	.
2001	2	439	71	5.0	0.0	0.05	-0.05	99.5	3.00	4.5	-2.0	0.5	3.0	3.5	105.0	106.0	.
2002	2	-93	216	6.0	5.0	-0.05	-0.02	103.5	3.01	-4.0	0.0	-1.5	-3.5	1.0	94.5	98.0	.
2003	1	219	81	-3.0	0.0	-0.11	-0.05	100.0	3.01	5.0	2.0	0.0	3.0	4.0	100.0	105.0	.
2006	1	629	88	14.0	3.0	0.19	0.03	106.0	2.83	-1.0	1.0	1.0	-2.0	3.0	100.0	.	.
2007	1	834	516	14.0	12.0	-0.10	-0.06	97.0	3.13	7.0	3.0	4.0	6.0	1.0	100.0	.	.

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
2007	1	253	183	11.0	4.0	0.06	-0.01	101.0	3.02	0.0	1.0	-3.0	-2.0	6.0	98.0	.	.

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Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1997	4	-215	-109	-6.5	-2.3	-0.05	0.02	99.0	3.07	-1.0	-1.0	-0.3	-1.3	-2.3	98.5	101.0	.
1999	1	238	2	2.0	-3.0	0.03	-0.08	100.0	2.92	3.0	3.0	-7.0	6.0	3.0	100.0	103.0	.
2000	2	311	184	3.0	2.5	-0.07	-0.07	99.0	3.03	0.5	-1.5	-1.0	0.5	4.0	104.0	106.0	104.0
2002	1	342	466	20.0	10.0	0.02	-0.07	103.0	3.02	1.0	1.0	0.0	0.0	-7.0	94.0	99.0	.
2003	1	338	-252	1.0	-5.0	0.20	0.04	102.0	2.94	3.0	0.0	1.0	3.0	1.0	101.0	106.0	.
2004	3	4	-6	-6.3	-1.0	-0.11	-0.02	98.0	3.18	2.7	-3.3	-1.3	6.0	1.7	101.7	100.5	.
2005	1	84	62	-2.0	1.0	-0.08	-0.02	99.0	3.00	7.0	9.0	-3.0	5.0	4.0	97.0	.	.
2006	3	174	-26	0.7	0.3	0.03	0.02	99.7	3.02	0.0	-2.7	-2.0	2.7	2.0	100.3	.	.
2007	2	-25	89	4.5	0.5	0.02	-0.05	101.0	3.10	0.0	0.5	-1.5	-0.5	7.5	97.5	.	.

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Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1997	63	38	-169	-4.3	-4.0	0.04	0.02	97.6	2.97	-0.8	-1.3	0.4	-0.2	-1.0	102.4	105.5	102.7
1998	69	195	-47	0.7	-0.9	0.05	0.01	99.6	2.96	0.1	0.6	1.3	-0.3	0.5	101.0	103.1	97.0
1999	87	153	-48	1.2	-0.7	0.06	0.02	99.2	3.01	0.1	0.4	0.2	0.3	0.8	100.3	103.3	101.7
2000	81	199	-53	0.4	-0.8	0.04	0.02	99.7	2.98	0.2	-0.8	-0.3	0.9	0.3	101.4	103.5	101.6
2001	75	229	67	3.3	2.1	0.01	0.00	100.1	2.99	-0.4	-1.0	-0.9	0.4	0.4	100.2	102.4	98.7
2002	64	110	-39	-0.4	-0.9	0.02	0.00	99.7	3.02	0.5	-0.1	-0.1	0.8	0.5	100.2	101.9	99.0
2003	79	88	7	0.5	0.4	0.01	0.01	100.5	3.01	0.0	-0.6	-0.7	0.6	0.3	99.1	101.5	.
2004	77	256	6	1.2	0.3	0.02	0.00	100.3	2.95	0.8	-1.0	0.3	1.1	0.0	100.8	101.3	100.5
2005	87	250	40	2.0	1.7	0.01	0.01	101.1	2.97	0.4	-1.1	0.2	0.8	-0.1	100.1	101.6	.
2006	89	232	-12	-0.6	-0.4	-0.00	-0.00	100.6	2.96	2.2	0.7	0.6	2.2	1.8	100.8	98.9	97.0
2007	76	358	38	2.5	1.1	0.02	0.00	100.4	2.95	2.5	1.1	1.1	2.1	0.9	100.8	98.5	.

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Manitoba

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1997	1	682	215	12.0	4.0	0.06	-0.05	105.0	2.78	-1.0	-4.0	1.0	0.0	-3.0	103.0	103.0	103.0
1998	1	156	-233	-12.0	-6.0	-0.06	0.01	100.0	3.00	3.0	-1.0	4.0	4.0	1.0	105.0	103.0	.
1999	3	803	324	18.0	5.0	0.09	-0.09	102.3	2.82	4.0	3.3	-3.3	5.7	2.0	100.0	100.3	.
2000	6	-120	-40	1.8	-1.2	0.07	0.00	100.2	3.11	-0.8	-1.7	-1.8	0.7	0.2	96.3	99.5	93.5
2001	8	137	-167	-2.8	-3.5	0.07	0.03	100.8	3.00	1.8	0.6	-0.4	2.4	1.1	100.1	102.8	97.0
2002	13	-105	-150	-7.2	-5.0	-0.02	-0.01	99.3	3.02	0.9	0.2	0.4	1.0	0.5	100.5	102.3	.
2003	15	-132	-159	-8.4	-5.3	-0.04	-0.01	99.1	2.99	1.5	0.2	-0.2	1.8	0.3	99.5	99.9	99.0
2004	7	11	-28	-0.4	-1.9	0.01	-0.03	97.6	2.94	-1.3	-2.7	-1.4	-0.1	-1.7	100.4	103.0	95.0
2005	15	232	26	2.7	0.9	0.03	0.01	101.7	2.94	1.2	-0.3	-0.9	1.3	-1.0	98.9	100.4	.
2006	17	168	-70	0.8	-2.4	0.06	-0.01	99.6	2.98	2.0	0.5	0.6	1.5	0.0	100.5	99.0	.
2007	20	391	96	2.9	1.3	-0.01	-0.03	100.7	2.93	3.6	1.6	0.3	3.4	1.6	101.3	.	.

Notes:

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Saskatchewan

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2001	1	-359	423	-7.0	7.0	-0.40	-0.11	104.0	3.23	-1.0	-7.0	-3.0	3.0	-1.0	96.0	100.0	99.0

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Alberta

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1997	3	92	-93	-2.3	-2.7	0.02	0.00	98.7	3.04	1.3	1.7	1.3	1.7	-1.3	101.0	.	.
1998	3	280	149	4.0	5.3	-0.02	0.02	100.0	3.07	-1.7	-3.7	-0.7	0.7	-2.0	99.7	102.0	102.0
1999	4	-154	-195	-3.0	-4.8	0.08	0.02	98.5	2.99	-0.8	-2.0	-2.5	-0.3	-0.5	100.5	104.0	101.0
2000	5	-114	-36	-2.8	-2.6	-0.02	-0.04	98.6	3.03	-1.2	-1.2	-4.4	1.2	-0.6	100.6	104.4	101.0
2001	7	153	-18	5.7	0.7	0.11	0.03	99.3	2.97	-1.3	-2.9	-2.0	-0.9	0.3	100.0	104.0	.
2002	3	459	297	8.7	6.7	-0.06	-0.03	100.0	3.06	1.7	-2.0	-2.0	5.3	1.3	98.3	97.7	.
2003	4	245	290	5.0	6.3	-0.11	-0.05	100.0	2.99	0.3	1.3	-2.5	2.0	-0.5	99.0	97.5	.
2004	7	452	325	13.6	7.6	0.02	-0.04	102.6	2.95	-1.0	-2.3	-3.6	1.0	-0.6	99.4	99.0	.
2005	2	-129	-192	-3.0	-5.0	0.08	0.01	96.0	3.07	2.0	0.5	-1.5	3.0	0.5	97.5	101.0	.
2006	5	225	322	10.8	7.4	-0.03	-0.04	98.8	2.93	-3.4	-1.4	-4.0	-2.4	0.0	99.2	.	.
2007	3	554	185	10.0	4.7	0.04	-0.01	101.7	2.95	1.7	-0.7	-1.0	3.0	1.0	101.7	.	.

Notes:

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