

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

Prince Edward Island

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1998	15	-98	59	3.3	-0.1	0.02	-0.04	98.9	3.15	-1.1	-1.9	-2.2	0.0	0.4	97.9	100.8	99.3
1999	21	333	195	7.5	4.2	-0.00	-0.03	99.9	3.06	0.7	0.1	-0.1	1.0	1.8	99.3	100.6	102.2
2000	22	-48	105	-1.1	0.4	-0.09	-0.06	100.2	3.10	0.5	-1.3	-2.0	2.5	0.2	98.1	99.5	96.8
2001	11	-275	52	-2.5	-1.4	-0.09	-0.06	97.3	3.18	-0.6	-2.2	-1.5	1.5	0.1	97.6	99.6	98.0
2002	16	163	123	2.4	1.7	-0.04	-0.04	98.9	3.02	-0.4	-1.3	0.4	0.1	-0.1	100.4	101.2	102.3
2003	13	157	79	0.5	2.4	-0.05	0.00	98.5	3.09	-0.2	-1.8	-0.4	0.8	0.3	100.5	102.0	99.7
2004	12	204	148	0.7	4.3	-0.09	0.00	98.3	3.08	0.9	-0.8	-0.8	1.5	2.3	100.3	100.6	98.5
2005	13	143	58	-2.6	1.2	-0.08	-0.01	99.3	3.00	-1.1	-2.3	-0.5	0.4	0.1	101.3	102.7	.
2006	15	496	82	8.4	2.1	0.09	-0.01	100.0	2.98	0.7	0.6	-0.5	1.1	0.9	102.3	104.0	99.0
2007	7	370	208	6.6	5.0	-0.03	-0.02	100.0	3.04	0.6	-0.3	0.0	0.7	1.7	101.6	102.0	.
2008	11	719	322	14.6	8.7	0.04	-0.00	101.0	2.99	2.2	1.2	0.2	2.4	2.8	100.7	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
2001	2	323	48	4.0	-1.0	0.04	-0.06	99.5	3.03	4.0	-2.0	1.5	2.5	4.0	104.0	104.0	.
2002	2	-127	182	4.5	4.5	-0.05	-0.03	103.0	3.04	-4.0	-0.5	-1.5	-4.0	1.0	94.5	98.0	.
2003	1	86	86	-3.0	0.0	-0.11	-0.06	100.0	3.02	4.0	2.0	1.0	1.0	5.0	98.0	103.0	.
2006	1	543	111	15.0	4.0	0.20	0.02	106.0	2.88	-2.0	0.0	0.0	-3.0	2.0	99.0	.	.
2007	1	1055	600	18.0	14.0	-0.09	-0.07	99.0	3.03	7.0	4.0	5.0	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
2004	2	699	71	8.5	3.5	0.10	0.03	102.5	2.87	2.0	-1.5	-0.5	4.0	-0.5	102.0	.	.
2007	2	-174	-166	-6.5	-5.0	-0.01	-0.02	98.0	3.07	0.0	-3.0	0.0	-1.0	1.5	100.5	102.0	.
2008	3	429	3	4.7	0.7	0.08	0.01	99.3	2.89	2.7	2.7	2.3	1.0	1.3	100.7	101.5	.

Notes:

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Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1999	1	92	-35	1.0	-4.0	0.03	-0.09	100.0	2.93	2.0	2.0	-6.0	4.0	2.0	99.0	102.0	.
2000	2	104	139	1.0	0.5	-0.07	-0.08	99.0	3.05	-0.5	-2.0	-1.5	-1.0	3.0	102.5	105.5	104.0
2002	1	184	394	17.0	8.0	0.03	-0.07	103.0	3.05	0.0	-1.0	-1.0	-1.0	-6.0	94.0	99.0	.
2003	1	290	-267	0.0	-6.0	0.18	0.03	102.0	2.95	3.0	0.0	1.0	3.0	1.0	101.0	106.0	.
2004	3	-154	-29	-6.7	-2.0	-0.11	-0.03	98.3	3.20	1.0	-3.7	-1.3	3.7	1.0	100.7	100.5	.
2005	1	-32	50	-3.0	1.0	-0.09	-0.02	98.0	3.07	5.0	8.0	-2.0	3.0	4.0	96.0	.	.
2006	3	43	-85	0.0	-1.7	0.06	0.02	101.3	3.02	-1.3	-4.7	-1.7	0.7	1.0	99.7	.	.
2007	2	12	83	4.0	0.0	0.01	-0.06	100.5	3.08	0.0	0.0	-1.0	-1.0	7.0	98.5	.	.
2008	4	114	114	8.8	3.0	0.08	-0.00	104.5	2.88	-5.8	-7.8	-2.5	-4.8	-2.5	98.3	98.5	.

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
1998	70	134	-86	-0.8	-2.3	0.05	0.00	99.5	2.99	0.1	0.7	1.3	-0.3	0.4	100.9	102.8	97.3
1999	88	90	-77	0.2	-1.8	0.06	0.01	99.1	3.03	-0.1	0.4	0.1	-0.0	0.6	100.1	103.0	101.7
2000	83	120	-83	-0.8	-1.9	0.05	0.01	99.5	3.01	-0.2	-0.8	-0.2	0.4	0.0	101.0	103.0	101.9
2001	78	146	32	2.1	0.8	0.02	0.00	99.9	3.01	-0.6	-1.1	-0.8	0.0	-0.1	99.8	101.6	98.1
2002	66	30	-72	-1.8	-2.1	0.02	-0.00	99.6	3.03	-0.0	-0.0	-0.0	0.3	0.2	99.9	101.8	99.7
2003	81	12	-31	-1.0	-0.9	0.01	0.00	100.4	3.03	-0.3	-0.8	-0.6	0.1	0.1	99.0	101.0	100.0
2004	78	192	-15	0.3	-0.5	0.02	-0.00	100.0	2.96	0.2	-1.2	0.4	0.4	-0.4	100.6	101.3	99.6
2005	91	142	-5	-0.1	0.3	0.00	0.01	100.8	2.99	-0.2	-1.4	0.2	0.0	-0.4	99.7	101.0	101.0
2006	92	175	-29	-1.3	-1.2	-0.00	-0.01	100.3	2.97	1.3	0.1	0.7	1.3	1.3	100.8	98.8	97.5
2007	105	348	51	3.5	1.4	0.03	-0.00	100.1	2.98	1.8	0.8	1.0	1.7	0.8	100.6	100.8	102.0
2008	67	266	66	3.4	1.4	0.02	-0.01	100.1	3.00	1.4	0.4	0.4	1.5	1.0	100.1	102.7	.

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Manitoba

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1998	1	6	-264	-13.0	-7.0	-0.06	0.00	100.0	3.03	3.0	-1.0	4.0	3.0	1.0	104.0	102.0	.
1999	3	602	291	17.0	3.7	0.10	-0.09	102.3	2.83	2.3	2.0	-3.3	3.7	1.3	98.7	99.7	.
2000	6	-159	-60	0.8	-2.0	0.07	-0.00	100.0	3.12	-0.7	-1.8	-1.3	0.2	0.2	96.0	99.0	93.0
2001	8	23	-211	-5.1	-5.1	0.06	0.02	100.5	3.02	1.4	0.8	-0.1	1.9	0.9	99.6	102.2	96.0
2002	13	-169	-181	-8.5	-6.3	-0.03	-0.02	99.0	3.03	0.5	-0.2	0.7	0.2	0.2	100.6	102.1	.
2003	15	-175	-185	-9.3	-6.0	-0.04	-0.02	98.8	3.00	0.9	-0.1	0.0	0.9	0.3	99.5	100.0	101.0
2004	7	-46	-49	-2.1	-2.7	0.00	-0.03	97.6	2.94	-1.4	-2.7	-1.1	-1.0	-1.9	100.6	102.8	97.0
2005	16	158	-22	1.3	-0.9	0.04	-0.00	101.0	2.95	0.5	-0.4	-0.8	0.8	-1.1	99.1	100.8	.
2006	17	335	-38	3.3	-1.2	0.08	-0.01	99.9	2.96	1.7	0.4	1.1	1.5	-0.4	101.4	103.3	.
2007	22	361	85	2.5	0.5	-0.01	-0.04	100.0	2.95	3.0	1.4	0.7	3.0	1.3	101.5	102.7	.
2008	6	577	-7	5.2	0.3	0.10	0.01	100.5	2.93	4.7	3.0	2.5	3.3	3.7	102.2	.	.

Notes:

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Saskatchewan

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2001	1	-363	400	-8.0	6.0	-0.42	-0.12	103.0	3.25	-2.0	-7.0	-2.0	2.0	-2.0	97.0	100.0	99.0

Notes:

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Alberta

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1998	3	188	118	2.7	3.7	-0.02	0.02	99.7	3.09	-1.7	-3.7	0.0	0.3	-2.3	99.3	100.7	101.0
1999	4	-205	-225	-4.5	-6.3	0.08	0.01	98.3	3.02	-0.3	-1.8	-2.3	-0.8	-0.8	100.8	103.0	100.0
2000	5	-193	-85	-4.6	-4.4	-0.03	-0.04	98.4	3.06	-1.4	-1.2	-3.8	1.2	-0.4	100.2	103.4	100.5
2001	7	127	-57	4.1	-0.6	0.11	0.02	98.9	2.99	-1.0	-2.6	-1.1	-0.7	0.0	100.0	103.0	.
2002	3	366	285	8.3	6.3	-0.05	-0.04	99.7	3.08	1.0	-2.7	-1.7	4.0	0.7	97.3	97.3	.
2003	4	246	269	4.0	5.3	-0.11	-0.05	100.5	2.98	0.3	1.5	-1.8	2.0	-0.3	99.0	96.5	.
2004	8	347	196	9.3	3.8	0.03	-0.04	101.5	2.97	-0.4	-1.5	-2.4	1.3	-0.9	99.8	101.0	.
2005	2	-92	-245	-4.5	-6.0	0.09	0.02	96.5	3.07	2.5	1.5	-0.5	3.0	0.5	98.0	102.0	.
2006	5	205	235	8.4	5.0	-0.01	-0.03	99.0	2.95	-3.0	-1.4	-3.4	-1.8	0.4	99.6	.	.
2007	3	469	117	7.0	2.0	0.04	-0.03	101.0	2.99	2.7	-0.7	0.7	3.3	1.3	102.3	.	.
2008	7	259	80	5.4	2.3	0.04	-0.00	99.3	3.03	0.3	-0.4	-0.7	0.7	0.0	100.3	.	.

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.