

Provincial genetic trends by birth year for Ayrshire 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	94	-440	-489	-14.8	-16.4	0.07	0.00	103.2	2.99	-1.4	-2.0	-1.1	-1.2	-0.6	100.6	101.9	101.6
1998	114	-336	-417	-14.9	-13.8	0.03	0.01	101.9	3.01	-0.2	-1.5	-0.0	-0.2	-0.1	101.1	101.3	101.5
1999	98	-210	-302	-9.8	-10.9	0.03	-0.01	101.5	3.06	0.3	-0.6	0.2	0.5	0.2	100.3	101.6	100.5
2000	93	-75	-199	-7.5	-7.4	0.01	-0.01	102.1	3.02	0.4	-0.8	0.5	0.2	0.5	101.4	102.1	101.4
2001	104	-134	-224	-7.5	-7.7	0.02	-0.00	101.6	3.08	0.2	-0.8	0.5	0.2	0.4	100.1	101.7	100.8
2002	99	221	-36	1.3	-0.8	0.04	0.01	101.7	2.99	1.5	0.8	0.5	1.6	0.7	101.3	101.5	100.2
2003	85	143	-67	-1.5	-1.7	0.02	0.01	100.9	3.03	1.9	0.9	1.5	1.6	1.4	101.0	100.3	99.8
2004	54	142	-238	-4.6	-5.1	0.07	0.04	101.4	3.01	3.0	0.7	1.9	2.9	2.5	101.3	100.5	99.1
2005	54	304	-64	2.3	-0.1	0.07	0.03	100.2	2.96	2.7	1.3	1.5	2.4	2.1	102.0	101.2	99.3
2006	62	345	82	4.2	1.9	0.02	-0.01	101.1	3.02	3.3	2.6	1.5	3.0	3.1	100.6	100.0	99.1
2007	41	630	45	8.7	5.2	0.10	0.05	100.7	2.97	5.0	3.5	2.7	5.0	3.1	102.0	100.2	99.2

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	109	-400	-381	-12.0	-14.1	0.05	-0.02	103.6	2.95	-2.1	-1.8	-1.9	-1.5	-1.2	100.7	101.5	103.0
1998	97	-320	-315	-12.3	-11.6	0.00	-0.01	102.1	3.03	-0.9	-1.4	-0.6	-0.9	-0.1	100.6	101.6	101.3
1999	105	-337	-323	-11.7	-11.4	0.02	-0.01	103.0	3.01	-1.3	-1.9	-1.5	-0.6	-0.8	100.1	100.7	101.7
2000	57	-206	-255	-11.8	-9.9	-0.02	-0.02	102.1	3.03	0.6	-0.4	0.6	0.7	0.6	100.3	100.4	101.1
2001	72	-166	-264	-9.7	-7.9	0.01	0.01	101.7	3.06	1.0	0.5	0.3	0.8	1.1	99.8	99.8	101.5
2002	70	-33	-122	-3.9	-5.0	0.01	-0.01	101.4	2.98	1.2	0.8	-0.1	1.0	1.3	100.1	99.6	100.5
2003	63	15	-170	-6.9	-5.2	-0.00	0.01	101.1	3.03	2.2	0.5	1.4	2.3	2.2	100.8	99.2	99.8
2004	70	68	-194	-5.6	-3.9	0.03	0.04	102.2	3.01	2.0	0.5	1.4	1.9	1.3	100.5	99.7	100.9
2005	69	289	-3	3.1	-0.5	0.05	-0.00	101.9	2.98	2.4	1.6	1.4	2.6	1.7	101.2	100.1	101.2
2006	77	353	-8	-0.4	0.4	-0.00	0.01	102.5	2.96	3.4	2.2	2.6	3.1	2.2	101.6	100.2	100.2
2007	33	504	27	3.9	3.8	0.04	0.04	101.3	3.05	4.5	2.9	2.8	4.6	2.7	101.2	100.3	100.6

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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New Brunswick

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1997	109	-446	-341	-11.7	-13.1	0.03	-0.02	102.2	2.99	-2.5	-1.7	-1.7	-2.4	-1.0	100.3	101.5	101.6
1998	89	-332	-218	-8.9	-9.3	-0.00	-0.03	101.5	3.04	-1.5	-0.7	-1.6	-1.4	-0.5	99.7	100.8	100.7
1999	106	-379	-240	-10.6	-9.3	-0.02	-0.02	101.0	3.03	-1.6	-0.4	-1.8	-1.6	-0.2	99.4	100.5	101.0
2000	110	-121	-203	-6.3	-6.5	0.03	0.01	102.4	2.97	-1.1	-1.2	-0.8	-1.0	-0.6	101.1	102.0	100.9
2001	114	-147	-124	-5.9	-5.1	-0.01	-0.01	101.9	3.00	-1.0	-0.8	-0.9	-1.0	-0.2	100.1	101.1	100.8
2002	96	44	34	-1.6	-0.9	-0.04	-0.03	102.0	2.99	0.1	0.4	-0.8	0.2	0.7	100.2	100.8	99.5
2003	90	17	-75	-3.6	-3.6	-0.01	-0.01	101.1	2.97	0.6	0.2	0.2	0.5	0.3	101.0	101.0	100.4
2004	87	243	-1	0.5	0.5	0.01	0.01	101.8	2.98	2.2	1.2	1.0	2.2	1.0	101.2	100.1	99.9
2005	90	92	-171	-3.5	-3.0	0.05	0.04	102.7	2.92	0.8	-0.2	0.7	1.1	0.2	101.2	99.7	100.6
2006	125	291	10	3.0	0.8	0.04	0.01	101.5	2.96	2.1	1.3	1.0	2.2	1.2	101.4	100.5	99.9
2007	85	449	68	7.7	4.4	0.07	0.03	101.6	2.96	2.5	1.8	1.4	2.4	1.6	101.4	100.5	100.5

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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Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1997	3102	-438	-353	-12.3	-13.0	0.02	-0.02	100.6	3.00	-2.0	-1.9	-1.7	-1.7	-1.4	100.8	101.4	102.3
1998	3114	-322	-289	-9.5	-10.4	0.03	-0.01	100.1	3.03	-1.3	-1.1	-1.0	-1.1	-1.0	100.4	101.4	101.3
1999	3184	-201	-148	-6.2	-6.7	-0.00	-0.02	100.0	3.01	-0.7	-0.5	-0.9	-0.6	-0.6	100.4	100.6	101.4
2000	3194	-138	-170	-7.0	-6.6	-0.00	-0.01	99.8	3.03	0.1	-0.1	-0.1	-0.0	0.3	100.9	101.3	101.2
2001	3509	-74	-70	-3.5	-3.3	-0.01	-0.01	99.8	3.06	0.1	-0.5	0.0	0.1	0.1	100.0	100.5	100.7
2002	3516	126	16	0.2	0.5	-0.00	0.00	99.6	3.01	1.0	0.7	0.3	0.9	0.6	100.7	100.6	100.3
2003	3354	158	17	0.8	0.2	0.00	-0.00	99.2	2.99	1.5	0.6	1.1	1.4	0.6	101.1	100.1	100.2
2004	3342	251	63	2.6	2.8	0.00	0.01	98.8	3.00	2.0	1.1	1.5	1.8	1.0	101.2	99.7	99.9
2005	3151	497	199	10.6	8.0	0.04	0.02	99.3	2.98	2.5	1.6	1.7	2.3	1.4	101.5	99.9	100.3
2006	2964	539	209	10.4	8.1	0.03	0.02	98.9	2.97	3.0	2.3	1.9	2.8	1.5	101.7	100.2	99.6
2007	2359	726	282	14.9	11.7	0.05	0.03	99.2	2.95	3.6	2.8	2.2	3.4	1.7	102.1	100.6	100.2

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
1997	705	-281	-217	-7.0	-9.4	0.02	-0.03	101.7	2.97	-1.9	-2.0	-1.6	-1.5	-1.8	100.7	101.2	102.6
1998	698	-166	-158	-5.0	-6.9	0.02	-0.02	101.9	3.01	-1.2	-1.6	-0.8	-0.9	-0.9	100.4	101.2	101.2
1999	714	-107	-79	-3.5	-5.1	-0.01	-0.03	101.3	3.00	-0.6	-0.7	-0.7	-0.6	-0.5	100.5	100.9	101.2
2000	650	-56	-119	-4.1	-4.7	0.01	-0.01	101.1	3.01	-0.0	-0.5	-0.1	0.0	0.0	100.7	101.0	101.1
2001	740	-15	-21	-0.8	-2.1	0.00	-0.02	100.8	3.03	-0.2	-0.7	-0.1	-0.3	0.1	100.1	100.5	100.8
2002	758	175	65	1.5	0.9	-0.01	-0.02	101.0	3.00	1.0	0.5	0.4	1.0	0.6	100.9	100.5	100.8
2003	651	159	40	1.3	0.1	-0.00	-0.02	100.6	2.99	1.2	0.5	0.9	1.0	0.7	100.8	100.2	100.5
2004	654	155	-20	-0.2	-0.2	0.01	0.01	99.8	3.02	1.6	0.9	1.3	1.4	1.2	101.0	100.2	100.3
2005	570	429	170	7.9	6.0	0.02	0.00	100.1	2.98	2.2	1.3	1.8	2.0	1.3	101.5	100.1	100.6
2006	523	489	208	8.8	7.3	0.01	0.00	99.5	2.97	2.7	1.7	2.1	2.5	1.5	101.7	99.8	100.2
2007	384	611	292	12.8	10.7	0.02	0.01	99.7	2.97	2.8	2.0	1.7	2.5	1.8	101.6	100.4	100.6

Notes:

1. Based on all cows with both production and type indexes.
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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	65	-356	-390	-10.2	-12.3	0.07	0.01	102.3	2.92	-1.9	-2.3	-2.0	-0.9	-1.7	100.4	100.2	101.7
1998	39	-356	-412	-12.0	-12.5	0.06	0.02	102.0	2.97	-1.0	-0.9	-1.3	-0.4	-0.2	100.1	100.1	100.0
1999	23	103	-35	1.1	0.5	0.04	0.02	102.5	2.93	0.0	0.3	0.0	-0.1	-0.7	100.0	99.0	101.0
2000	20	29	-58	-1.5	-1.9	0.02	0.00	103.3	2.96	-0.5	-1.3	-0.5	-0.2	0.8	100.1	100.5	101.0
2001	44	77	38	2.2	0.1	0.01	-0.02	102.5	2.99	0.2	-0.1	-0.4	0.2	0.3	99.4	99.5	100.1
2002	38	91	-23	0.4	0.1	0.02	0.01	101.1	3.01	0.3	-0.1	-0.6	0.7	0.1	100.4	100.3	100.9
2003	44	278	61	4.4	1.7	0.03	-0.00	102.3	2.92	1.4	-0.3	-0.4	2.0	0.7	101.3	100.3	100.7
2004	39	323	84	6.4	4.4	0.05	0.02	101.5	2.96	1.7	0.8	1.7	1.5	0.1	100.3	98.5	99.3
2005	34	308	186	7.1	6.3	-0.01	-0.00	101.0	2.96	1.0	0.6	0.2	1.3	0.6	100.4	98.4	99.5
2006	48	415	159	7.9	5.4	0.02	0.00	99.9	2.94	2.1	1.3	1.5	1.8	1.0	101.6	100.4	100.5
2007	15	606	287	16.1	11.7	0.06	0.02	101.1	2.96	2.5	1.9	0.6	2.6	2.3	100.1	98.7	100.1

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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Saskatchewan

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1997	40	-510	-584	-18.3	-17.2	0.08	0.04	104.0	3.01	-1.2	-1.7	-1.2	-1.0	-0.5	99.6	100.5	100.5
1998	35	-538	-569	-18.1	-17.7	0.06	0.02	103.0	3.01	-1.6	-1.3	-1.5	-1.9	-1.1	100.0	102.4	102.6
1999	19	-565	-624	-21.8	-17.5	0.04	0.05	101.8	3.07	-0.3	-1.1	-0.7	-0.4	-0.5	99.4	100.5	99.2
2000	32	-264	-404	-12.8	-12.3	0.04	0.02	101.1	3.04	1.0	0.8	-0.0	0.8	2.0	100.3	101.0	101.5
2001	35	-21	-226	-5.4	-7.5	0.06	0.00	103.3	3.00	0.8	-0.0	0.7	0.8	0.1	100.5	101.3	100.2
2002	15	-222	-324	-11.1	-10.1	0.03	0.01	102.1	3.06	0.9	0.5	0.6	0.7	1.1	99.1	100.0	98.7
2003	7	-74	-522	-12.6	-10.7	0.12	0.10	103.1	3.03	2.4	0.7	2.1	1.9	2.7	100.4	100.6	97.7

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
1997	51	-534	-430	-19.7	-15.7	-0.04	-0.02	105.7	2.99	-2.8	-2.1	-1.5	-2.7	-1.6	99.7	102.4	101.3
1998	56	-574	-388	-17.8	-15.8	-0.04	-0.04	104.6	3.02	-2.7	-2.5	-2.2	-2.5	-1.7	99.3	101.7	101.5
1999	55	-380	-391	-15.8	-13.8	-0.01	-0.01	104.5	2.99	-1.4	-1.6	-0.8	-1.7	-0.9	100.5	102.3	101.4
2000	63	-547	-505	-21.9	-18.0	-0.03	-0.01	105.6	3.01	-1.7	-2.1	-1.7	-1.5	-0.7	100.1	102.6	100.1
2001	46	-352	-195	-14.5	-9.3	-0.10	-0.04	104.3	3.04	-1.7	-1.2	-0.8	-2.1	-0.7	99.2	101.7	101.8
2002	50	-414	-339	-14.3	-12.6	-0.01	-0.02	104.3	2.99	-2.0	-2.2	-1.6	-2.3	-0.3	100.1	101.9	99.7
2003	49	-451	-414	-19.8	-15.3	-0.05	-0.02	103.8	3.01	-0.4	-1.2	-0.8	-0.4	0.2	100.2	101.2	99.6
2004	55	-66	-270	-10.0	-8.2	0.01	0.01	102.9	2.94	1.4	0.4	0.3	1.3	1.7	101.4	100.7	99.2
2005	38	135	-11	-4.8	-4.1	-0.06	-0.05	105.3	2.91	1.4	0.3	0.9	1.3	0.3	101.5	101.3	100.7
2006	45	163	-169	-2.6	-2.9	0.06	0.04	103.0	2.97	1.4	0.5	0.5	1.4	1.1	101.3	102.4	100.0
2007	33	253	36	2.7	0.7	0.02	-0.01	102.1	2.97	1.7	1.5	0.7	1.6	1.1	100.5	101.0	100.3

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
1997	82	-414	-344	-15.5	-13.4	-0.03	-0.03	105.3	2.92	-2.4	-2.1	-1.4	-2.3	-0.8	100.1	102.4	102.1
1998	88	-242	-270	-10.5	-10.6	0.00	-0.02	105.1	2.93	-1.7	-1.8	-1.9	-1.5	-1.6	100.9	103.2	100.8
1999	74	-275	-334	-13.0	-11.8	0.00	-0.01	106.7	2.93	-1.4	-1.7	-1.2	-1.6	-0.9	100.4	102.9	100.8
2000	82	-62	-238	-7.8	-8.7	0.03	-0.01	106.0	2.91	0.1	-0.4	-0.7	0.1	0.1	101.2	102.1	101.3
2001	84	138	40	-1.7	-1.0	-0.04	-0.03	106.6	2.91	-0.6	-0.4	-0.3	-0.9	-0.5	100.7	102.2	101.5
2002	93	184	96	-0.5	1.3	-0.06	-0.03	104.8	2.93	-0.1	-0.1	-0.4	-0.2	-0.2	100.6	102.2	100.2
2003	91	133	-73	-5.5	-2.6	-0.04	-0.00	104.5	2.90	0.6	-0.1	0.6	0.5	-0.5	101.7	101.9	100.0
2004	72	231	61	-0.0	0.3	-0.03	-0.02	104.5	2.93	0.8	0.4	0.7	0.4	0.7	101.3	101.4	100.6
2005	64	294	68	4.6	1.3	0.03	-0.01	104.9	2.89	0.6	0.5	0.7	-0.1	0.8	101.1	101.1	99.0
2006	53	426	130	5.7	3.8	0.01	-0.01	104.2	2.87	1.7	1.0	0.6	1.5	0.6	101.6	101.5	98.7
2007	40	757	321	15.7	12.2	0.04	0.02	102.6	2.93	2.9	2.5	1.9	2.4	1.2	101.5	101.5	100.3

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.