

Provincial genetic trends by birth year for Ayrshire 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	114	-435	-464	-17.6	-15.8	0.02	-0.00	102.1	3.02	-1.0	-2.1	-0.5	-1.0	-0.1	100.8	101.3	101.5
1999	98	-312	-347	-12.6	-12.8	0.02	-0.01	101.7	3.07	-0.4	-1.1	-0.1	-0.3	0.1	99.9	101.6	100.5
2000	93	-183	-240	-10.1	-9.3	-0.01	-0.02	102.3	3.03	-0.3	-1.3	0.2	-0.6	0.5	101.1	102.1	101.4
2001	104	-242	-270	-10.1	-9.7	0.01	-0.01	101.8	3.09	-0.5	-1.4	0.1	-0.5	0.3	100.0	101.7	100.9
2002	99	100	-86	-1.6	-2.8	0.03	0.00	101.8	3.00	1.0	0.3	0.2	0.9	0.6	101.2	101.6	100.5
2003	86	23	-119	-4.4	-3.7	0.01	0.01	101.2	3.04	1.2	0.3	1.3	0.8	1.3	100.8	100.2	99.7
2004	53	15	-279	-7.2	-7.1	0.06	0.04	101.7	3.01	2.1	0.0	1.3	2.0	2.2	101.0	100.6	99.1
2005	55	180	-116	-0.1	-1.8	0.07	0.03	100.4	2.96	2.0	0.7	1.0	1.7	2.0	101.7	101.2	99.3
2006	62	252	60	2.7	0.8	0.01	-0.01	101.7	3.02	2.8	2.1	1.2	2.5	3.0	100.5	99.4	99.3
2007	61	564	67	8.8	5.2	0.09	0.04	101.1	2.97	4.5	3.2	2.2	4.4	2.5	101.8	100.7	99.3
2008	18	689	38	6.1	5.1	0.07	0.05	101.0	3.01	7.0	4.8	3.6	6.7	4.7	102.4	100.6	99.1

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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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	97	-420	-363	-15.2	-13.7	-0.01	-0.02	102.4	3.04	-1.6	-2.0	-0.9	-1.7	-0.0	100.5	101.6	101.4
1999	105	-439	-371	-14.5	-13.5	0.00	-0.01	103.2	3.01	-2.0	-2.4	-1.9	-1.4	-0.8	99.8	100.7	101.9
2000	57	-325	-309	-14.9	-12.1	-0.04	-0.02	102.2	3.04	-0.1	-0.9	0.1	-0.0	0.6	100.0	100.2	101.1
2001	72	-292	-323	-12.9	-10.3	-0.00	0.01	102.0	3.07	0.2	0.0	-0.0	-0.0	1.1	99.4	99.7	101.5
2002	71	-152	-164	-6.4	-6.7	0.00	-0.02	101.5	2.99	0.5	0.2	-0.5	0.4	1.0	99.8	99.3	100.5
2003	64	-91	-221	-9.6	-7.4	-0.01	0.00	101.6	3.03	1.5	-0.1	1.0	1.6	1.9	100.7	99.4	100.0
2004	71	-76	-244	-8.9	-6.3	0.02	0.03	102.4	3.03	1.2	-0.1	0.8	1.2	1.2	100.2	99.5	100.9
2005	73	165	-40	0.6	-2.4	0.03	-0.01	102.7	2.98	1.5	0.9	0.8	1.7	1.3	101.0	100.3	101.2
2006	85	161	-141	-4.7	-3.7	0.01	0.02	103.0	2.96	2.6	1.4	2.2	2.2	1.8	101.2	100.1	100.1
2007	61	238	-112	-2.3	-1.6	0.03	0.03	102.8	3.02	3.0	1.2	2.0	2.9	2.2	101.1	100.1	101.1
2008	29	393	-23	1.9	0.0	0.04	0.01	101.5	2.97	4.7	3.2	3.0	4.0	3.7	102.0	99.6	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.
3. Conformation indexes based on first lactation classifications of each cow.

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Canadian Dairy Network, August 2011

New Brunswick

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1998	90	-448	-268	-11.7	-11.3	-0.01	-0.03	101.7	3.05	-2.3	-1.3	-2.1	-2.4	-0.6	99.4	100.8	100.7
1999	109	-489	-297	-13.9	-11.6	-0.03	-0.02	101.4	3.03	-2.2	-0.9	-2.1	-2.3	-0.3	99.0	100.4	100.9
2000	110	-229	-252	-9.0	-8.5	0.02	0.00	102.6	2.97	-1.7	-1.5	-1.2	-1.7	-0.7	100.8	102.0	100.8
2001	117	-272	-187	-9.1	-7.6	-0.02	-0.02	102.3	3.01	-1.7	-1.4	-1.3	-1.7	-0.1	99.8	101.1	100.7
2002	102	-106	-59	-5.8	-4.1	-0.05	-0.03	102.5	3.00	-0.6	-0.1	-1.2	-0.4	0.4	100.1	101.0	99.8
2003	96	-111	-138	-6.9	-6.0	-0.02	-0.02	101.5	2.97	-0.3	-0.5	-0.2	-0.3	0.1	100.9	100.9	100.3
2004	89	105	-55	-2.2	-1.7	0.00	0.00	102.0	2.99	1.4	0.5	0.6	1.4	0.8	101.1	100.0	99.8
2005	97	-56	-254	-7.2	-6.1	0.04	0.04	103.3	2.92	-0.1	-1.1	0.4	0.2	-0.2	101.1	99.8	100.4
2006	123	195	-40	0.1	-1.3	0.03	0.00	102.3	2.96	1.6	0.8	0.8	1.7	1.1	101.6	100.7	100.1
2007	143	266	-59	2.6	0.3	0.07	0.03	102.5	2.95	1.9	1.0	0.7	1.9	1.3	101.3	100.5	100.3
2008	93	444	87	8.8	5.3	0.08	0.03	101.5	2.93	2.5	2.0	1.0	2.2	1.9	101.6	100.8	100.4

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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Canadian Dairy Network, August 2011

Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1998	3119	-427	-336	-12.3	-12.4	0.02	-0.01	100.3	3.04	-2.0	-1.7	-1.4	-1.9	-1.0	100.2	101.4	101.4
1999	3190	-314	-194	-8.9	-8.7	-0.02	-0.03	100.2	3.02	-1.4	-1.1	-1.4	-1.3	-0.7	100.2	100.6	101.4
2000	3202	-251	-217	-9.8	-8.7	-0.02	-0.02	100.0	3.04	-0.5	-0.6	-0.4	-0.7	0.2	100.6	101.2	101.2
2001	3519	-195	-119	-6.3	-5.4	-0.02	-0.02	100.0	3.07	-0.6	-1.1	-0.3	-0.6	-0.0	99.8	100.5	100.8
2002	3537	-3	-33	-2.6	-1.5	-0.02	-0.00	99.7	3.02	0.4	0.2	-0.0	0.2	0.5	100.6	100.7	100.5
2003	3382	27	-29	-2.1	-1.8	-0.01	-0.01	99.2	3.00	0.9	0.1	0.7	0.8	0.4	100.9	100.1	100.2
2004	3370	109	16	-0.3	0.7	-0.01	0.00	98.9	3.01	1.4	0.5	1.2	1.1	0.8	100.9	99.6	100.0
2005	3203	328	138	7.4	5.6	0.03	0.01	99.5	2.99	1.8	1.0	1.3	1.6	1.1	101.3	99.8	100.3
2006	3029	395	161	7.6	6.1	0.02	0.01	99.1	2.98	2.5	1.7	1.6	2.2	1.2	101.6	100.2	99.7
2007	2930	550	219	11.6	9.2	0.04	0.03	99.3	2.96	3.1	2.2	1.8	2.9	1.4	101.9	100.4	100.3
2008	2408	780	366	16.7	13.6	0.03	0.02	99.3	2.93	4.1	3.0	3.1	3.6	1.5	102.7	100.5	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.

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Canadian Dairy Network, August 2011

Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1998	699	-283	-204	-7.8	-9.0	0.00	-0.03	102.1	3.01	-2.0	-2.1	-1.2	-1.7	-1.0	100.2	101.2	101.2
1999	720	-224	-124	-6.3	-7.1	-0.02	-0.04	101.5	3.01	-1.4	-1.3	-1.1	-1.4	-0.6	100.2	100.9	101.3
2000	655	-178	-164	-7.0	-6.8	-0.01	-0.02	101.2	3.02	-0.7	-1.0	-0.6	-0.7	-0.0	100.5	101.0	101.1
2001	745	-143	-68	-3.6	-4.1	-0.01	-0.03	101.0	3.03	-1.0	-1.2	-0.6	-1.0	-0.0	99.8	100.4	100.8
2002	762	34	12	-1.5	-1.3	-0.03	-0.02	101.1	3.01	0.3	-0.0	-0.1	0.2	0.5	100.7	100.6	101.0
2003	654	31	-6	-1.4	-1.8	-0.02	-0.02	100.7	3.00	0.5	-0.0	0.5	0.3	0.5	100.6	100.2	100.5
2004	663	21	-63	-3.0	-2.2	-0.01	-0.00	100.0	3.03	1.0	0.4	0.9	0.7	1.0	100.7	100.1	100.3
2005	579	274	118	4.9	3.7	0.01	-0.00	100.3	2.99	1.6	0.8	1.4	1.3	1.0	101.3	99.9	100.6
2006	547	331	148	5.6	4.8	-0.00	-0.00	99.8	2.98	2.1	1.1	1.7	1.8	1.4	101.5	99.8	100.4
2007	512	445	227	9.3	8.0	0.01	0.01	99.8	2.98	2.3	1.6	1.5	2.0	1.6	101.6	100.3	100.7
2008	433	672	335	14.1	11.9	0.01	0.01	100.1	2.95	3.4	2.2	3.0	2.8	1.3	102.1	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.
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Canadian Dairy Network, August 2011

Manitoba

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1998	39	-459	-459	-14.9	-14.6	0.05	0.01	102.3	2.97	-1.8	-1.3	-1.7	-1.3	-0.3	99.8	100.2	99.9
1999	23	-11	-76	-1.7	-1.4	0.03	0.02	102.7	2.93	-0.7	-0.3	-0.4	-0.7	-0.8	99.9	99.4	101.0
2000	20	-69	-100	-3.9	-3.8	0.00	-0.01	103.6	2.95	-1.0	-1.8	-0.8	-0.8	0.8	100.1	100.5	101.0
2001	44	-47	-11	-0.6	-2.0	-0.00	-0.02	102.6	2.99	-0.5	-0.7	-0.8	-0.4	0.3	99.3	99.6	100.1
2002	38	-32	-68	-2.1	-1.9	0.01	0.01	101.4	3.02	-0.4	-0.6	-1.1	0.1	0.0	100.2	100.3	101.1
2003	44	157	19	1.9	-0.2	0.02	-0.01	102.5	2.92	0.7	-1.0	-0.9	1.4	0.4	101.3	100.3	100.5
2004	39	181	30	3.4	2.0	0.03	0.02	101.8	2.96	1.1	0.3	1.2	1.0	-0.2	100.2	98.6	99.5
2005	35	186	147	4.8	4.8	-0.02	-0.00	101.4	2.96	0.3	0.1	-0.2	0.6	0.6	100.4	98.4	99.9
2006	48	290	120	5.4	3.7	0.01	-0.00	100.5	2.94	1.4	0.6	1.2	1.0	0.8	101.4	100.5	100.5
2007	20	514	166	11.5	7.4	0.06	0.02	102.7	2.91	2.5	2.1	0.4	2.6	2.7	101.2	100.3	101.0
2008	24	628	275	13.5	10.8	0.04	0.02	101.4	2.97	4.1	2.7	2.0	3.5	2.6	101.1	99.7	99.8

Notes:

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Saskatchewan

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1998	35	-622	-615	-20.9	-19.9	0.05	0.01	103.2	3.01	-2.3	-1.8	-1.9	-2.5	-1.2	99.7	102.6	102.7
1999	19	-657	-671	-25.1	-19.7	0.03	0.04	101.8	3.07	-1.1	-1.4	-1.2	-1.1	-0.6	98.9	100.6	99.1
2000	32	-367	-450	-15.7	-14.4	0.03	0.01	101.3	3.04	0.3	0.4	-0.5	-0.1	1.9	100.1	101.1	101.4
2001	35	-131	-270	-7.9	-9.5	0.04	-0.00	103.6	3.01	0.1	-0.4	0.3	-0.0	0.0	100.3	101.2	100.2
2002	15	-319	-374	-13.9	-12.0	0.02	0.01	102.4	3.07	0.1	0.0	0.1	-0.1	0.9	99.2	100.0	98.9
2003	7	-182	-571	-16.3	-13.0	0.09	0.09	103.4	3.04	2.0	0.3	1.9	1.0	2.6	100.3	100.9	98.0

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	56	-660	-435	-20.7	-17.9	-0.05	-0.05	104.8	3.03	-3.4	-3.0	-2.5	-3.3	-1.9	99.1	101.9	101.6
1999	55	-467	-439	-18.8	-15.8	-0.02	-0.02	104.6	3.00	-2.2	-2.2	-1.1	-2.4	-1.0	100.3	102.5	101.4
2000	63	-628	-554	-24.8	-20.0	-0.04	-0.02	105.6	3.03	-2.4	-2.5	-1.9	-2.3	-0.9	99.8	102.6	99.8
2001	46	-444	-241	-17.2	-11.1	-0.11	-0.04	104.5	3.05	-2.5	-1.7	-1.1	-2.8	-0.8	98.9	101.8	101.6
2002	50	-511	-389	-17.1	-14.6	-0.03	-0.02	104.3	3.00	-2.8	-2.8	-1.9	-3.1	-0.5	99.9	102.1	99.4
2003	50	-552	-476	-24.1	-18.0	-0.07	-0.03	104.1	3.01	-1.2	-1.9	-1.1	-1.1	-0.2	100.2	101.6	99.5
2004	55	-161	-314	-12.8	-10.1	-0.01	0.01	103.0	2.96	1.0	-0.1	0.1	0.7	1.8	101.2	100.8	99.2
2005	39	6	-59	-7.8	-5.8	-0.08	-0.05	105.4	2.93	0.8	-0.1	0.7	0.6	-0.1	100.9	100.6	99.9
2006	46	39	-241	-5.2	-5.0	0.06	0.05	103.1	2.98	0.8	-0.2	0.3	0.7	0.8	101.1	102.1	99.7
2007	40	72	-42	-3.3	-2.6	-0.02	-0.02	102.3	2.97	1.0	0.7	0.4	0.9	1.2	100.6	101.2	99.6
2008	27	-89	-234	-13.4	-8.7	-0.06	-0.01	103.9	2.94	1.2	1.2	0.6	1.1	0.5	100.9	101.6	100.7

Notes:

1. Based on all cows with both production and type indexes.
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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
1998	88	-343	-317	-13.3	-12.5	-0.01	-0.03	105.2	2.93	-2.5	-2.4	-2.2	-2.3	-1.7	100.6	103.4	101.0
1999	74	-369	-382	-16.0	-13.9	-0.01	-0.01	106.8	2.94	-2.1	-2.3	-1.4	-2.3	-1.0	100.2	102.9	100.7
2000	82	-175	-290	-11.2	-10.9	0.01	-0.01	106.0	2.92	-0.4	-0.8	-1.0	-0.6	0.1	101.0	102.1	101.3
2001	84	11	-6	-4.5	-3.1	-0.06	-0.04	106.7	2.92	-1.2	-1.0	-0.7	-1.6	-0.7	100.5	102.2	101.4
2002	93	56	40	-3.7	-1.1	-0.07	-0.03	104.9	2.93	-0.8	-0.5	-0.7	-0.8	-0.4	100.6	102.3	100.5
2003	91	19	-111	-8.2	-4.4	-0.05	-0.01	104.5	2.91	-0.0	-0.7	0.3	-0.2	-0.7	101.5	102.0	100.1
2004	73	99	14	-3.0	-1.9	-0.04	-0.03	104.5	2.95	0.2	-0.1	0.4	-0.2	0.4	101.2	101.4	100.8
2005	66	162	14	1.6	-1.0	0.02	-0.02	105.0	2.89	0.0	0.2	0.5	-0.8	0.5	100.9	101.4	99.1
2006	55	309	83	3.3	1.9	-0.00	-0.01	104.1	2.89	1.0	0.3	0.5	0.9	0.5	101.6	101.9	99.2
2007	62	475	218	8.7	7.8	0.00	0.01	102.5	2.92	1.9	1.5	1.1	1.1	0.9	101.4	101.5	100.1
2008	60	637	295	15.3	10.1	0.05	0.00	103.3	2.86	1.9	1.8	1.8	1.2	1.6	102.2	101.3	100.9

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.