

**Provincial genetic trends by birth year for Ayrshire cows**  
**Canadian Dairy Network, August 2012**

**Prince Edward Island**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1999	98	-453	-400	-15.6	-15.0	0.01	-0.02	102.0	3.08	-1.1	-1.9	-0.5	-1.1	0.0	99.8	101.6	100.5
2000	93	-320	-295	-13.2	-11.6	-0.02	-0.02	102.5	3.04	-1.1	-2.0	-0.1	-1.3	0.5	100.9	102.1	101.5
2001	104	-375	-324	-13.1	-12.0	-0.00	-0.01	102.0	3.09	-1.2	-2.0	-0.3	-1.2	0.3	99.8	101.7	101.0
2002	99	-22	-136	-4.4	-4.9	0.02	-0.00	102.2	3.00	0.2	-0.3	-0.1	0.3	0.7	101.1	101.7	100.7
2003	86	-111	-166	-7.0	-5.9	-0.00	-0.00	101.4	3.04	0.5	-0.3	1.0	0.1	1.2	100.6	100.2	99.8
2004	52	-88	-317	-9.2	-9.0	0.05	0.03	102.1	3.01	1.6	-0.3	1.1	1.3	2.3	100.9	100.6	99.1
2005	55	35	-186	-3.6	-4.6	0.06	0.02	100.8	2.97	1.3	0.2	0.8	1.0	1.8	101.4	101.2	99.5
2006	62	150	28	0.6	-0.7	-0.00	-0.02	102.1	3.02	2.2	1.4	0.9	1.9	2.7	100.4	99.8	99.7
2007	62	428	8	5.9	2.5	0.08	0.03	101.3	2.97	3.8	2.3	1.9	3.7	2.6	101.6	100.7	99.7
2008	40	562	17	4.9	3.9	0.06	0.05	100.9	3.01	5.9	4.0	3.4	5.3	4.4	102.5	100.3	99.0
2009	20	506	-13	3.8	3.0	0.06	0.05	101.3	3.00	5.7	4.2	3.0	5.0	3.2	101.4	101.2	98.9

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.

**Provincial genetic trends by birth year for Ayrshire cows**  
**Canadian Dairy Network, August 2012**

**Nova Scotia**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1999	105	-575	-426	-17.4	-15.8	-0.01	-0.02	103.5	3.02	-2.8	-2.9	-2.3	-2.1	-1.0	99.6	100.8	102.1
2000	57	-462	-364	-17.8	-14.4	-0.05	-0.03	102.4	3.05	-1.0	-1.6	-0.3	-0.7	0.7	99.8	100.3	101.1
2001	72	-419	-377	-15.7	-12.6	-0.01	0.00	102.3	3.08	-0.5	-0.9	-0.4	-0.7	1.0	99.3	99.9	101.7
2002	71	-281	-223	-9.5	-9.1	-0.01	-0.02	101.7	3.00	-0.2	-0.2	-0.8	-0.3	1.1	99.7	99.5	100.8
2003	64	-235	-276	-12.5	-9.7	-0.02	-0.01	101.7	3.03	0.8	-0.6	0.5	0.8	1.8	100.4	99.4	100.0
2004	73	-210	-303	-12.4	-8.8	-0.00	0.02	102.7	3.02	0.5	-0.8	0.5	0.4	0.9	100.1	99.7	101.1
2005	75	10	-127	-3.5	-5.6	0.02	-0.02	103.3	2.99	0.7	0.2	0.6	0.9	0.9	100.7	100.6	101.3
2006	85	48	-179	-7.3	-5.5	0.00	0.01	103.5	2.97	1.9	1.0	2.0	1.5	1.7	100.9	100.1	100.1
2007	62	122	-158	-4.7	-3.5	0.02	0.03	103.3	3.02	2.3	0.7	1.7	2.3	2.0	101.0	99.8	101.0
2008	47	365	-68	1.2	-1.1	0.06	0.02	103.3	2.96	4.0	1.9	3.4	3.3	3.2	102.3	99.9	100.2
2009	34	433	44	3.6	1.9	0.03	0.00	101.6	2.96	4.5	3.2	2.8	3.9	2.9	102.0	100.7	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.
3. Conformation indexes based on first lactation classifications of each cow.

**Provincial genetic trends by birth year for Ayrshire cows**  
**Canadian Dairy Network, August 2012**

**New Brunswick**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1999	110	-639	-359	-17.1	-14.2	-0.04	-0.03	101.7	3.04	-3.1	-1.9	-2.5	-3.1	-0.8	98.9	100.7	101.2
2000	110	-378	-311	-12.0	-11.0	0.01	-0.00	102.9	2.98	-2.5	-2.5	-1.7	-2.5	-1.1	100.6	102.1	100.7
2001	118	-417	-245	-12.1	-9.9	-0.03	-0.02	102.7	3.01	-2.5	-2.2	-1.7	-2.5	-0.5	99.5	101.2	100.9
2002	106	-256	-122	-8.9	-6.7	-0.05	-0.03	103.0	3.00	-1.4	-0.9	-1.8	-1.3	0.2	99.9	101.0	100.2
2003	99	-258	-206	-10.2	-8.7	-0.03	-0.02	102.2	2.97	-1.1	-1.2	-0.6	-1.1	-0.2	100.5	100.9	100.3
2004	92	-39	-125	-5.5	-4.5	-0.01	-0.00	102.8	2.98	0.4	-0.4	0.2	0.6	0.6	100.8	100.1	99.8
2005	103	-204	-322	-10.9	-8.8	0.03	0.03	103.9	2.93	-0.9	-1.5	-0.0	-0.7	-0.5	100.8	99.9	100.5
2006	126	66	-87	-2.5	-3.2	0.02	-0.00	103.0	2.95	0.8	0.1	0.4	0.8	0.7	101.2	100.6	100.3
2007	143	124	-133	-0.3	-2.6	0.07	0.03	103.5	2.95	0.9	-0.1	0.2	1.0	0.9	101.2	100.9	100.7
2008	126	336	-23	5.6	1.9	0.10	0.04	103.3	2.89	1.6	1.0	0.8	1.4	1.3	101.7	101.0	101.0
2009	96	471	174	10.0	7.5	0.05	0.02	101.9	2.90	1.8	1.0	1.4	1.9	0.6	101.8	100.0	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.

**Provincial genetic trends by birth year for Ayrshire cows**  
**Canadian Dairy Network, August 2012**

**Quebec**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1999	3194	-459	-250	-11.9	-11.1	-0.03	-0.04	100.4	3.02	-2.3	-1.9	-1.8	-2.1	-1.0	99.9	100.8	101.5
2000	3205	-397	-273	-12.8	-11.0	-0.03	-0.02	100.2	3.04	-1.4	-1.4	-0.9	-1.5	0.0	100.4	101.4	101.3
2001	3528	-338	-174	-9.2	-7.7	-0.03	-0.02	100.2	3.08	-1.4	-1.8	-0.8	-1.4	-0.2	99.6	100.6	101.0
2002	3551	-144	-89	-5.6	-3.9	-0.03	-0.01	99.9	3.03	-0.5	-0.4	-0.4	-0.6	0.3	100.4	100.8	100.7
2003	3409	-115	-86	-5.1	-4.2	-0.02	-0.02	99.4	3.01	0.1	-0.6	0.3	-0.0	0.1	100.6	100.2	100.2
2004	3389	-24	-39	-3.2	-1.6	-0.02	-0.00	99.2	3.01	0.6	-0.1	0.9	0.3	0.6	100.7	99.8	100.1
2005	3245	175	70	4.1	2.8	0.02	0.01	99.7	3.00	1.0	0.4	1.0	0.7	0.8	101.0	99.9	100.4
2006	3077	265	114	5.0	4.0	0.01	0.00	99.3	2.99	1.7	1.1	1.3	1.6	1.0	101.4	100.1	100.0
2007	2999	407	161	8.6	6.6	0.03	0.02	99.5	2.97	2.3	1.5	1.4	2.2	1.1	101.8	100.4	100.6
2008	2977	633	301	13.3	11.0	0.02	0.01	99.7	2.93	3.3	2.2	2.9	2.8	1.1	102.6	100.3	100.8
2009	2459	731	347	15.6	12.9	0.03	0.02	99.3	2.93	3.9	2.3	3.7	3.3	1.1	103.0	100.1	100.9

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.

**Provincial genetic trends by birth year for Ayrshire cows**  
**Canadian Dairy Network, August 2012**

**Ontario**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1999	722	-367	-179	-9.4	-9.4	-0.03	-0.05	101.8	3.01	-2.3	-2.1	-1.6	-2.2	-0.8	100.0	101.1	101.3
2000	656	-320	-221	-10.0	-9.2	-0.02	-0.02	101.5	3.03	-1.6	-1.8	-1.0	-1.5	-0.2	100.3	101.2	101.2
2001	750	-283	-123	-6.5	-6.5	-0.02	-0.03	101.2	3.04	-1.8	-1.9	-1.0	-1.8	-0.2	99.6	100.6	101.0
2002	765	-103	-42	-4.5	-3.7	-0.04	-0.03	101.4	3.01	-0.5	-0.7	-0.5	-0.5	0.4	100.5	100.7	101.1
2003	657	-109	-63	-4.4	-4.2	-0.03	-0.03	100.9	3.00	-0.3	-0.7	0.1	-0.4	0.3	100.4	100.4	100.6
2004	664	-109	-113	-5.7	-4.4	-0.02	-0.01	100.3	3.03	0.1	-0.4	0.6	-0.1	0.8	100.5	100.2	100.5
2005	585	130	53	1.7	1.1	-0.00	-0.01	100.5	3.00	0.8	0.1	1.1	0.4	0.7	101.2	100.1	100.9
2006	554	193	100	2.9	2.5	-0.02	-0.01	100.1	2.99	1.3	0.4	1.4	1.0	1.1	101.2	99.9	100.4
2007	523	302	166	6.1	5.4	-0.01	-0.00	100.1	2.99	1.5	0.9	1.1	1.3	1.3	101.4	100.4	100.9
2008	523	530	285	11.0	9.7	-0.00	0.00	100.4	2.95	2.6	1.5	2.5	2.1	1.1	102.1	100.1	101.0
2009	417	577	246	10.7	8.8	0.01	0.01	100.7	2.94	3.2	1.8	2.7	2.8	1.3	102.6	100.5	100.9

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.

**Provincial genetic trends by birth year for Ayrshire cows**  
**Canadian Dairy Network, August 2012**

**Manitoba**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1999	23	-161	-134	-4.7	-3.8	0.02	0.01	103.1	2.94	-1.5	-1.0	-1.0	-1.4	-1.3	99.4	99.5	101.1
2000	20	-228	-158	-6.8	-6.4	-0.01	-0.01	103.9	2.96	-1.8	-2.2	-1.3	-1.6	0.3	99.5	100.4	100.9
2001	44	-191	-68	-3.7	-4.5	-0.01	-0.03	102.8	3.00	-1.3	-1.5	-1.2	-1.3	0.1	99.1	99.8	100.3
2002	38	-175	-127	-5.1	-4.3	0.00	-0.00	101.6	3.03	-1.1	-1.2	-1.5	-0.7	0.0	100.1	100.4	101.2
2003	44	14	-44	-1.2	-2.7	0.01	-0.02	102.8	2.93	-0.2	-1.5	-1.3	0.6	0.2	101.0	100.5	100.6
2004	39	39	-29	0.4	-0.4	0.02	0.01	102.1	2.97	0.3	-0.3	0.8	0.1	-0.4	100.0	98.7	99.6
2005	35	38	73	1.1	2.0	-0.02	-0.01	101.6	2.97	-0.5	-0.5	-0.5	-0.1	0.1	100.4	98.6	100.2
2006	48	180	74	3.0	1.6	0.00	-0.01	101.0	2.94	0.8	0.1	0.9	0.4	0.6	101.4	100.7	100.9
2007	20	335	67	7.0	3.7	0.06	0.02	102.6	2.93	1.5	1.4	-0.2	1.9	2.0	101.3	100.8	101.4
2008	26	486	167	8.8	6.7	0.03	0.02	101.5	2.94	3.6	2.2	2.2	3.2	2.3	101.8	99.4	100.5
2009	17	622	230	15.5	11.4	0.09	0.05	100.9	2.85	1.6	0.8	2.4	1.6	-1.5	102.4	99.8	101.2

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.

**Provincial genetic trends by birth year for Ayrshire cows**  
**Canadian Dairy Network, August 2012**

**Saskatchewan**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1999	19	-802	-731	-28.2	-22.2	0.01	0.03	102.1	3.08	-1.9	-1.8	-1.7	-1.9	-0.6	98.7	100.8	99.1
2000	32	-493	-505	-18.6	-16.6	0.02	0.00	101.7	3.05	-0.5	-0.3	-0.9	-0.7	1.8	99.8	101.3	101.4
2001	35	-258	-323	-10.8	-11.7	0.03	-0.01	103.9	3.02	-0.8	-1.3	0.0	-0.7	0.1	100.2	101.5	100.4
2002	15	-455	-428	-17.1	-14.5	0.00	-0.00	102.6	3.07	-0.7	-0.5	-0.3	-0.9	1.1	98.9	100.6	99.1
2003	8	-324	-650	-20.1	-16.3	0.08	0.08	103.6	3.06	1.4	-0.1	1.5	0.4	2.4	100.3	101.5	98.5
2004	1	-515	-918	-41.0	-24.0	-0.06	0.09	107.0	3.18	2.0	-1.0	4.0	0.0	3.0	100.0	105.0	101.0
2005	2	-592	-731	-36.5	-23.5	-0.12	0.02	101.5	3.02	2.5	-0.5	5.0	-0.5	4.0	101.5	100.5	98.5
2007	1	229	-211	-7.0	-13.0	0.02	-0.08	111.0	2.80	5.0	5.0	2.0	3.0	4.0	102.0	103.0	103.0
2008	5	-157	-104	-9.0	-6.6	-0.07	-0.04	105.8	2.98	-1.6	-2.2	1.0	-3.0	-1.2	99.6	103.8	100.0

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.

**Provincial genetic trends by birth year for Ayrshire cows**  
**Canadian Dairy Network, August 2012**

**Alberta**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1999	55	-622	-498	-21.6	-18.1	-0.03	-0.02	104.8	3.01	-3.1	-3.0	-1.7	-3.3	-1.3	99.8	102.6	101.3
2000	63	-780	-615	-27.9	-22.4	-0.05	-0.02	105.8	3.04	-3.4	-3.4	-2.5	-3.2	-1.3	99.4	102.8	99.9
2001	46	-602	-305	-20.1	-13.7	-0.11	-0.05	104.6	3.06	-3.4	-2.7	-1.6	-3.7	-1.1	98.6	101.9	101.6
2002	50	-656	-452	-20.2	-17.1	-0.03	-0.03	104.5	3.01	-3.6	-3.4	-2.4	-3.8	-0.6	99.7	102.2	99.7
2003	50	-705	-539	-26.9	-20.5	-0.08	-0.03	104.3	3.03	-2.2	-2.7	-1.7	-2.0	-0.3	99.9	102.0	99.5
2004	57	-296	-362	-15.4	-12.4	-0.01	-0.00	103.1	2.97	0.1	-0.9	-0.2	-0.2	1.1	101.0	100.9	99.8
2005	40	-160	-147	-11.8	-8.9	-0.08	-0.05	105.5	2.94	-0.1	-1.0	0.4	-0.3	-0.4	100.7	100.9	99.8
2006	48	-79	-272	-6.7	-6.8	0.06	0.03	103.2	2.98	0.0	-0.9	0.1	0.0	0.7	100.6	101.7	99.8
2007	44	-107	-128	-7.5	-6.0	-0.03	-0.02	102.4	2.99	0.2	-0.2	0.2	0.2	0.9	100.3	101.2	99.9
2008	39	-127	-238	-11.2	-8.7	-0.02	-0.01	103.4	2.95	0.6	0.0	0.7	0.4	0.2	100.9	101.2	100.6
2009	31	223	4	3.6	1.3	0.05	0.02	103.2	2.94	1.1	0.3	1.1	0.7	0.6	101.2	100.1	100.7

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.



**Provincial genetic trends by birth year for Ayrshire cows**  
**Canadian Dairy Network, August 2012**

**British Columbia**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
1999	74	-517	-443	-19.2	-16.3	-0.02	-0.02	107.2	2.95	-3.0	-3.1	-2.0	-3.1	-1.4	99.9	103.3	100.7
2000	82	-321	-343	-13.9	-13.1	0.00	-0.02	106.4	2.94	-1.4	-1.7	-1.6	-1.5	-0.3	100.7	102.4	101.5
2001	84	-146	-69	-7.6	-5.6	-0.07	-0.04	107.2	2.92	-2.3	-2.0	-1.4	-2.5	-1.2	100.2	102.4	101.7
2002	93	-104	-22	-6.7	-3.5	-0.08	-0.04	105.2	2.94	-1.7	-1.4	-1.3	-1.8	-0.8	100.3	102.3	100.9
2003	91	-140	-174	-11.1	-6.9	-0.06	-0.01	104.8	2.92	-1.0	-1.7	-0.2	-1.2	-1.1	101.0	102.1	100.4
2004	73	-47	-53	-6.0	-4.6	-0.05	-0.04	104.9	2.95	-0.6	-0.9	-0.3	-0.9	0.2	101.0	101.6	100.8
2005	67	10	-45	-1.7	-3.6	0.00	-0.03	105.4	2.91	-0.7	-0.6	0.0	-1.6	0.2	100.5	101.6	99.5
2006	55	173	30	0.4	-0.3	-0.01	-0.02	104.5	2.90	0.4	-0.2	0.2	0.0	0.1	101.3	102.0	99.6
2007	65	282	123	4.0	4.2	-0.01	0.00	102.8	2.94	1.0	0.7	0.5	0.3	0.4	101.2	101.7	100.8
2008	63	486	258	11.1	7.9	0.02	-0.01	103.9	2.88	1.2	1.0	1.4	0.5	1.1	101.8	101.1	101.9
2009	72	479	170	6.3	5.3	-0.00	-0.00	103.8	2.91	2.8	1.5	2.9	2.2	0.6	101.9	100.3	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.