

**Provincial genetic trends by birth year for Jersey cows**  
**Canadian Dairy Network, August 2017**

**Prince Edward Island**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	17	862	-25	-9.6	-5.8	-0.12	-0.07	100.8	3.00	-0.5	0.6	-0.3	-1.1	-0.1	99.9	99.1	99.1
2005	6	903	-199	-17.2	-9.7	-0.09	-0.03	98.8	3.01	2.3	1.7	0.7	2.5	0.7	100.2	98.4	99.8
2006	7	991	-188	1.4	-4.1	0.16	0.04	97.7	2.99	0.4	-1.4	0.1	0.7	0.3	101.1	98.4	99.0
2007	8	1019	-104	1.3	-1.6	0.10	0.04	99.0	3.04	0.9	1.9	0.5	0.9	-1.0	99.6	99.0	100.4
2008	11	1034	407	4.7	8.6	-0.20	-0.09	99.5	3.05	0.2	-0.5	-0.6	0.6	-0.6	98.9	98.1	99.0
2009	6	965	-26	-2.8	-1.5	-0.02	-0.01	99.5	2.96	0.5	-0.5	-0.8	1.3	1.2	100.2	97.0	96.0
2010	6	1242	428	18.0	17.3	-0.04	0.02	100.5	3.03	1.8	0.7	2.0	2.0	0.8	98.8	96.5	98.5
2011	9	1220	393	17.0	15.9	-0.03	0.01	101.8	3.00	1.1	-0.4	2.1	1.8	0.4	99.2	96.0	99.1
2012	8	1165	548	20.8	17.9	-0.09	-0.04	103.0	3.06	-0.5	1.1	-0.4	-1.4	1.0	99.1	100.5	101.0
2013	4	1108	358	20.0	14.8	0.03	0.02	98.5	3.03	-0.8	1.0	-3.5	0.8	-2.5	96.8	94.7	95.0
2014	5	1252	415	18.2	13.8	-0.03	-0.03	101.0	3.03	3.2	1.4	2.2	2.6	2.2	100.6	99.8	102.4

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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**Nova Scotia**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	37	684	-402	-22.6	-20.3	-0.03	-0.08	100.7	3.08	-1.7	-1.4	1.0	-2.3	-0.2	99.4	100.0	99.9
2005	44	759	-225	-17.7	-11.5	-0.09	-0.04	99.5	3.06	-1.8	-0.3	-0.5	-2.5	-0.0	99.3	99.5	100.9
2006	36	842	-162	-10.4	-10.3	-0.03	-0.06	100.3	2.97	-0.6	-0.1	0.3	-0.8	-0.5	100.3	99.3	99.5
2007	48	890	-60	-10.6	-6.1	-0.10	-0.05	99.9	2.99	-0.0	0.4	0.0	-0.2	0.3	100.7	99.3	99.7
2008	55	967	-5	0.9	-1.2	0.02	-0.01	99.6	3.03	-0.3	0.3	-0.7	-0.3	-0.6	99.9	99.8	99.2
2009	49	932	-109	-3.8	-5.1	0.03	-0.01	99.1	2.99	0.1	-0.4	-0.6	0.4	-0.3	100.3	99.5	99.2
2010	56	1062	57	2.8	1.9	0.01	-0.00	100.3	3.01	1.0	0.3	0.7	1.3	0.9	101.0	99.8	99.9
2011	54	1046	30	3.9	1.1	0.05	0.00	99.0	3.01	0.9	0.2	0.4	1.1	-0.3	100.6	99.3	99.6
2012	64	1076	-17	8.4	1.1	0.14	0.03	99.8	2.98	1.1	0.2	0.4	1.3	0.5	100.8	99.3	99.6
2013	67	1127	165	15.3	7.7	0.10	0.02	99.7	2.96	0.5	1.1	-0.4	0.7	0.4	100.1	99.6	99.4
2014	63	1180	214	16.5	10.3	0.08	0.03	100.3	2.96	1.0	0.4	0.0	1.3	0.5	100.7	100.5	99.5

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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**New Brunswick**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	60	766	-211	-17.0	-10.4	-0.09	-0.03	101.1	3.04	-2.1	-0.3	-0.8	-2.6	-1.0	99.3	99.5	100.2
2005	85	793	-103	-14.2	-6.3	-0.12	-0.03	100.8	3.04	-2.5	-1.3	-1.3	-2.7	-0.8	99.2	99.1	100.0
2006	82	820	-165	-11.2	-8.8	-0.03	-0.03	100.2	3.01	-1.6	-0.9	-0.8	-1.8	-0.4	99.9	99.9	100.0
2007	95	874	-148	-9.5	-6.1	-0.02	-0.01	99.8	3.00	-1.3	-0.5	-0.4	-1.5	-0.3	100.4	100.0	100.0
2008	86	903	52	-2.6	-1.1	-0.06	-0.04	100.8	3.02	-1.7	-1.1	-1.5	-1.5	-1.2	99.6	99.9	98.9
2009	82	971	140	1.5	3.5	-0.07	-0.02	101.4	2.99	-1.4	-1.3	-1.3	-1.3	-0.6	100.0	100.1	99.9
2010	71	1009	156	5.7	4.2	-0.02	-0.02	100.6	2.99	-0.8	0.2	-0.4	-1.1	-0.7	99.8	99.5	99.6
2011	88	1073	165	8.7	8.5	0.02	0.03	100.8	3.00	-0.6	-0.9	-0.9	-0.2	-0.8	99.6	99.0	99.5
2012	83	1059	286	8.4	8.7	-0.08	-0.03	101.0	2.99	-0.6	0.1	-0.5	-0.7	-0.7	99.6	99.7	99.8
2013	75	1155	309	21.3	14.2	0.08	0.04	101.3	2.99	-1.0	0.0	-0.9	-1.0	-0.4	99.3	99.7	100.8
2014	72	1183	466	21.5	16.9	-0.02	-0.01	100.7	2.98	-0.3	0.0	-0.6	-0.1	-0.3	99.3	99.6	100.8

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
2004	1001	793	-269	-17.2	-12.5	-0.05	-0.03	99.6	3.05	-0.9	0.5	-0.0	-1.4	0.2	99.8	100.0	99.9
2005	1029	859	-167	-10.7	-8.3	-0.03	-0.03	99.5	3.03	-0.3	1.0	-0.1	-0.9	0.3	99.6	99.5	100.1
2006	1098	887	-193	-10.1	-8.4	0.00	-0.01	99.3	3.02	0.0	1.0	0.6	-0.6	0.3	100.2	99.9	100.2
2007	1285	907	-160	-7.8	-6.4	0.01	-0.00	99.3	3.01	-0.1	0.5	-0.4	-0.3	0.4	100.3	99.9	98.9
2008	1347	939	-70	-5.3	-3.8	-0.02	-0.01	99.5	3.00	0.1	0.3	-0.3	0.1	0.1	100.3	99.9	99.0
2009	1480	997	10	0.5	0.1	0.01	-0.00	99.7	3.00	0.2	0.2	-0.3	0.2	0.6	100.3	99.8	99.1
2010	1637	1039	55	2.5	2.7	0.00	0.01	99.5	3.00	0.3	-0.0	0.1	0.4	0.2	100.5	99.7	99.7
2011	1730	1092	62	6.7	4.1	0.06	0.03	99.8	2.98	1.0	0.4	0.6	1.0	0.5	100.7	99.9	99.8
2012	1646	1121	117	11.3	6.4	0.08	0.03	100.0	2.98	0.6	0.2	0.4	0.6	0.5	100.8	100.7	100.5
2013	1641	1210	249	18.3	12.1	0.08	0.04	100.3	2.98	1.2	0.9	0.6	1.2	0.9	100.5	100.4	101.0
2014	1503	1253	281	21.4	14.1	0.10	0.05	100.4	2.96	1.6	1.2	0.8	1.5	0.8	100.8	100.8	101.4

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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**Ontario**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	2170	795	-271	-16.9	-12.2	-0.04	-0.03	99.6	3.05	-0.9	0.3	0.2	-1.6	0.3	99.8	99.8	99.7
2005	2135	842	-212	-12.8	-9.7	-0.02	-0.02	99.6	3.04	-0.6	0.5	-0.0	-1.1	0.3	99.9	100.0	99.8
2006	1976	880	-178	-10.5	-8.6	-0.02	-0.02	99.4	3.02	-0.1	0.6	0.7	-0.6	0.4	100.2	99.8	100.1
2007	2111	901	-180	-9.8	-8.2	-0.00	-0.02	99.5	3.01	0.3	0.7	0.4	-0.1	0.8	100.8	100.1	99.3
2008	2126	929	-135	-7.9	-6.3	-0.01	-0.01	99.4	3.01	0.5	0.6	0.6	0.2	0.5	100.7	100.0	99.1
2009	2240	982	-81	-3.7	-3.2	0.01	0.00	99.8	3.00	0.8	0.7	0.7	0.5	0.8	100.7	99.9	99.2
2010	2228	1003	-44	-2.8	-2.3	-0.00	-0.01	99.5	3.01	1.2	1.0	1.1	0.8	0.8	100.7	99.7	99.4
2011	2247	1051	-36	0.1	-0.7	0.04	0.01	99.3	2.99	1.8	1.5	1.5	1.4	1.2	100.8	99.6	99.0
2012	2191	1091	16	4.6	1.7	0.06	0.02	99.7	2.99	1.7	1.4	1.4	1.5	1.3	100.9	100.1	99.4
2013	2037	1145	80	8.2	4.8	0.07	0.03	99.8	2.99	2.2	1.8	1.6	2.0	1.7	101.0	100.1	99.8
2014	1768	1181	148	10.6	7.3	0.05	0.03	99.7	2.98	2.4	1.8	1.5	2.2	1.5	101.1	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.

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**Manitoba**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	107	798	-44	-11.2	-5.5	-0.12	-0.05	100.7	3.02	-2.8	-1.1	-1.4	-3.0	-1.6	98.9	100.0	100.7
2005	107	852	68	-2.0	0.4	-0.07	-0.03	101.5	3.03	-3.6	-1.9	-2.6	-3.5	-1.8	98.4	99.9	100.8
2006	102	886	95	-3.5	0.7	-0.11	-0.04	101.0	3.04	-2.4	-0.8	-1.5	-2.6	-1.5	98.8	99.9	100.9
2007	90	858	-30	-7.1	-2.9	-0.07	-0.02	100.0	3.02	-2.4	-1.3	-1.7	-2.5	-1.2	99.7	100.3	100.8
2008	83	949	124	3.4	3.5	-0.03	-0.01	100.7	2.99	-2.3	-0.9	-2.0	-2.1	-1.5	99.3	99.4	99.5
2009	86	970	101	0.1	3.2	-0.06	-0.01	99.9	3.01	-1.4	-1.7	-1.6	-1.0	-1.1	100.2	100.2	99.6
2010	80	1000	161	6.4	5.2	-0.02	-0.01	101.6	2.99	-1.4	-1.5	-1.7	-0.7	-1.6	99.4	99.0	98.8
2011	76	1042	103	7.3	5.5	0.03	0.02	100.7	3.01	-0.6	-0.4	-0.9	-0.6	-0.4	99.9	99.7	99.5
2012	74	1069	262	11.0	9.1	-0.02	-0.01	100.3	2.98	-0.8	-0.7	-1.5	-0.2	-1.0	99.8	99.5	99.9
2013	69	1131	234	11.8	8.8	-0.00	0.00	100.6	2.99	0.9	0.4	0.4	1.2	0.1	100.0	99.0	99.8
2014	45	1281	412	22.2	16.0	0.03	0.01	101.2	2.97	2.6	2.0	1.2	2.8	0.7	100.2	98.9	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.
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**Saskatchewan**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	80	713	-407	-25.2	-17.3	-0.06	-0.03	99.4	3.07	-1.2	-0.5	-0.2	-1.7	0.3	99.6	100.4	99.7
2005	61	775	-414	-21.7	-15.7	-0.01	0.00	99.4	3.05	-0.5	0.5	0.9	-1.5	0.9	100.1	100.1	100.4
2006	28	806	-420	-22.9	-17.0	-0.02	-0.01	99.8	3.02	0.4	0.4	1.4	-0.0	1.1	101.4	100.7	100.4
2007	32	852	-371	-20.6	-14.7	-0.01	-0.01	99.1	3.07	1.8	1.6	2.2	0.8	1.5	100.3	99.8	99.1
2008	41	840	-313	-16.5	-13.6	-0.00	-0.02	99.4	3.01	0.5	0.7	0.7	0.2	0.4	100.6	100.5	99.2
2009	21	945	-319	-8.4	-9.7	0.12	0.04	100.7	3.02	1.0	0.1	1.6	1.0	0.6	100.6	100.1	98.8
2010	25	977	-175	-7.4	-6.0	0.03	0.01	99.7	3.01	1.3	0.6	1.4	1.1	0.7	101.3	100.5	100.0
2011	22	1002	-168	-9.9	-7.0	-0.00	-0.01	100.5	2.99	2.6	2.0	2.2	2.2	2.0	102.0	100.7	100.6
2012	21	928	-452	-12.7	-14.7	0.15	0.04	96.5	3.06	2.3	2.9	2.6	1.6	2.4	100.7	100.1	100.1
2013	14	1031	-174	-1.2	-6.9	0.12	-0.00	101.0	3.02	2.4	2.0	1.8	2.1	1.6	101.4	102.8	102.2
2014	18	1077	-188	-4.2	-5.6	0.09	0.03	98.4	3.01	3.7	2.1	2.9	3.8	1.1	101.7	99.6	101.6

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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**Alberta**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2004	206	773	-189	-15.8	-10.7	-0.08	-0.05	99.4	3.05	-1.9	-0.9	-0.9	-2.2	-0.4	99.6	100.1	100.5
2005	208	839	-229	-11.5	-9.4	0.01	-0.01	99.7	3.01	-1.0	-0.4	-0.7	-1.1	-0.3	100.0	99.9	100.0
2006	181	855	-214	-12.0	-9.3	-0.01	-0.01	98.3	3.02	-0.7	-0.4	-0.0	-1.0	-0.3	100.4	100.6	100.6
2007	180	894	-144	-9.1	-7.3	-0.02	-0.02	99.5	2.98	-0.0	0.0	-0.1	-0.0	0.2	100.5	99.4	99.8
2008	203	939	-40	-5.0	-3.1	-0.03	-0.02	99.6	3.00	-0.2	-0.4	-0.3	-0.2	-0.2	100.7	100.1	99.7
2009	210	922	-138	-7.6	-6.0	-0.00	-0.01	98.7	3.01	0.1	-0.3	0.2	0.0	0.5	100.5	100.1	100.0
2010	209	1015	47	0.1	0.9	-0.02	-0.01	98.9	3.00	0.5	0.2	0.3	0.4	0.4	100.7	99.8	99.9
2011	205	1055	36	2.7	1.8	0.02	0.01	98.6	3.01	1.3	0.9	0.8	1.0	0.5	100.2	99.8	100.0
2012	205	1092	18	4.4	2.4	0.05	0.03	99.0	3.01	1.6	1.0	1.1	1.3	1.2	100.9	100.6	100.5
2013	195	1164	166	12.2	7.4	0.06	0.02	100.0	2.99	1.9	1.5	1.0	1.8	0.6	100.6	100.5	100.3
2014	188	1169	210	10.4	7.9	0.00	0.00	100.0	2.97	2.2	1.4	1.4	2.0	1.1	101.1	100.4	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.
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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
2004	317	804	166	-6.6	-0.6	-0.20	-0.09	101.3	3.03	-3.7	-1.9	-2.1	-3.7	-2.1	98.2	98.9	100.9
2005	309	838	161	-3.1	0.7	-0.15	-0.07	100.8	3.05	-3.4	-2.0	-2.4	-3.1	-2.5	98.1	99.2	100.9
2006	310	870	172	-2.7	0.4	-0.15	-0.08	100.8	3.02	-2.6	-1.6	-1.4	-2.6	-2.0	98.9	99.1	100.8
2007	296	908	151	-1.6	0.6	-0.12	-0.07	100.7	3.01	-1.9	-1.4	-1.4	-1.5	-1.4	99.5	99.7	100.8
2008	303	917	87	-1.9	-0.3	-0.08	-0.05	100.4	2.99	-1.7	-1.7	-1.2	-1.3	-1.6	100.0	99.5	100.7
2009	332	968	207	0.7	4.0	-0.13	-0.05	100.7	2.99	-1.3	-1.1	-1.1	-1.0	-1.1	99.9	99.7	100.7
2010	327	998	250	6.0	6.3	-0.09	-0.04	100.7	2.99	-1.4	-1.3	-1.4	-1.0	-1.7	99.4	99.3	100.7
2011	365	1046	329	6.4	8.9	-0.13	-0.05	100.5	2.98	-0.8	-0.8	-1.0	-0.3	-1.1	99.8	99.8	100.3
2012	351	1092	351	10.7	10.3	-0.09	-0.04	100.8	2.98	-0.2	-0.2	-0.6	0.1	-0.8	99.9	100.1	100.8
2013	339	1178	458	18.7	15.8	-0.05	-0.02	101.2	2.97	-0.0	-0.0	-0.5	0.2	-0.4	100.0	100.1	101.3
2014	266	1220	547	22.2	19.3	-0.07	-0.02	101.0	2.96	-0.1	-0.2	-0.7	0.4	-0.8	100.1	100.5	101.8

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 Jersey cows**  
**Canadian Dairy Network, August 2017**

**Newfoundland**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2011	1	1068	-442	7.0	-1.0	0.44	0.23	101.0	2.96	1.0	5.0	0.0	-1.0	3.0	98.0	100.0	98.0
2012	1	1041	-76	-13.0	-6.0	-0.12	-0.05	100.0	2.93	4.0	1.0	-1.0	6.0	3.0	105.0	102.0	102.0
2013	1	1185	288	28.0	10.0	0.29	0.02	101.0	2.88	1.0	2.0	0.0	0.0	0.0	99.0	.	.

**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.