

Provincial genetic trends by birth year for Jersey cows
Lactanet Canada, August 2020

Prince Edward Island

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2007	8	1004	-288	-11.0	-9.9	0.06	0.02	98.4	98.1	0.0	1.5	0.5	-0.3	-1.5	99.1	98.8	100.3
2008	11	1038	249	-6.2	1.4	-0.24	-0.11	98.6	98.2	-0.5	-0.8	-0.6	-0.5	-1.0	98.8	98.0	98.4
2009	6	942	-211	-15.0	-9.7	-0.06	-0.02	99.2	100.3	-0.3	-0.8	-0.8	0.2	0.3	99.5	96.0	95.8
2010	6	1201	264	6.3	10.2	-0.09	0.00	99.8	98.8	1.2	0.2	1.7	1.2	0.7	98.8	95.7	98.3
2011	9	1175	239	5.1	8.4	-0.09	-0.01	101.1	99.6	0.4	-1.0	1.7	0.9	0.1	98.9	95.1	99.1
2012	9	1165	320	8.8	9.6	-0.09	-0.03	101.8	97.6	-1.8	0.2	-0.2	-2.6	0.3	98.9	101.1	100.6
2013	5	987	63	-1.4	1.4	-0.06	-0.01	97.6	99.0	-2.0	0.0	-3.4	-1.4	-3.0	96.8	95.8	99.8
2014	9	1090	-81	-8.0	-5.3	-0.05	-0.03	98.9	98.3	2.6	1.6	2.3	1.9	1.1	99.2	97.9	97.0
2015	19	1284	99	11.8	6.1	0.10	0.03	99.1	99.5	1.9	1.4	1.9	1.7	0.8	100.6	100.9	100.8
2016	16	1195	-270	-6.0	-7.5	0.12	0.04	98.9	100.1	4.2	2.8	3.4	3.6	2.6	102.4	100.9	101.2
2017	15	1392	228	23.6	12.7	0.16	0.06	100.7	100.3	2.7	0.9	1.4	3.1	0.6	100.9	100.4	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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Nova Scotia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2007	48	900	-239	-23.4	-14.4	-0.14	-0.07	99.4	99.5	-0.8	0.0	-0.0	-1.3	-0.2	100.2	99.0	98.6
2008	57	982	-152	-10.7	-8.3	-0.03	-0.03	99.4	98.5	-1.3	-0.3	-0.6	-1.6	-1.1	99.5	99.8	98.3
2009	50	948	-290	-16.0	-13.6	-0.01	-0.03	98.6	99.7	-0.8	-0.7	-0.8	-0.6	-1.0	99.8	99.3	98.4
2010	59	1065	-82	-8.6	-5.2	-0.05	-0.02	100.0	99.3	0.3	-0.0	0.6	0.2	0.6	100.5	99.5	98.8
2011	57	1029	-180	-10.5	-8.1	-0.00	-0.02	98.3	99.1	0.4	0.2	0.8	0.3	-0.4	100.2	98.8	98.8
2012	67	1062	-217	-4.7	-7.7	0.10	0.01	99.1	99.9	0.3	-0.4	0.1	0.2	-0.0	100.3	98.9	98.7
2013	72	1110	-25	1.8	-1.4	0.05	-0.00	98.9	100.2	-0.2	0.6	-0.5	-0.2	0.2	99.9	99.6	99.1
2014	76	1144	97	2.2	2.4	-0.03	-0.01	99.9	100.6	0.2	-0.2	-0.2	0.3	0.2	100.5	99.6	99.2
2015	82	1221	-13	9.9	2.7	0.15	0.05	99.6	100.0	1.1	0.8	0.5	1.2	0.7	100.0	100.1	99.6
2016	59	1228	57	5.5	1.4	0.04	-0.01	99.6	100.7	1.8	0.3	1.3	2.3	0.2	101.5	100.5	100.7
2017	59	1297	-25	10.4	4.5	0.17	0.08	100.3	100.8	2.9	2.2	1.9	2.9	1.2	101.5	100.4	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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New Brunswick

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2007	96	887	-325	-21.4	-14.2	-0.06	-0.02	99.3	99.6	-2.3	-1.0	-0.3	-2.8	-0.8	100.0	99.8	99.3
2008	91	917	-98	-14.3	-8.9	-0.11	-0.07	100.2	98.7	-2.6	-1.5	-1.4	-2.7	-1.8	99.3	100.0	98.5
2009	89	961	-29	-11.2	-4.3	-0.12	-0.04	101.2	99.7	-2.6	-1.8	-1.4	-2.7	-1.2	99.3	99.8	99.2
2010	79	1005	1	-6.1	-3.1	-0.07	-0.04	100.0	99.5	-2.0	-0.3	-0.6	-2.6	-1.5	99.3	99.5	99.1
2011	97	1038	-17	-4.8	-0.1	-0.05	0.01	100.0	99.5	-1.7	-1.3	-1.1	-1.5	-1.2	99.1	98.9	98.9
2012	92	1069	171	-0.7	2.4	-0.12	-0.05	100.6	100.0	-1.6	-0.2	-0.6	-1.9	-0.9	99.1	99.4	99.4
2013	96	1152	172	11.1	7.7	0.04	0.02	101.0	99.9	-2.0	-0.5	-1.4	-2.1	-0.8	99.1	99.6	100.5
2014	87	1163	324	8.3	9.4	-0.10	-0.04	99.9	99.9	-1.5	-0.7	-0.9	-1.4	-0.7	99.4	99.9	101.1
2015	105	1272	432	18.8	15.0	-0.04	-0.02	100.7	100.4	-0.7	-0.5	-0.8	-0.2	-1.2	99.7	100.0	100.5
2016	109	1291	480	20.2	16.9	-0.05	-0.01	101.3	100.5	-0.4	-0.4	-0.7	-0.2	-0.6	99.7	100.1	101.4
2017	76	1327	466	21.1	16.5	-0.03	-0.01	100.9	100.6	0.8	0.6	0.2	1.0	-0.5	99.9	100.0	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.

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Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2007	1299	918	-334	-19.5	-14.3	-0.03	-0.02	98.8	99.0	-1.0	0.1	-0.3	-1.5	-0.1	99.9	99.6	98.1
2008	1367	949	-242	-17.0	-11.7	-0.05	-0.03	98.9	99.4	-0.8	-0.1	-0.3	-1.1	-0.5	99.9	99.7	98.3
2009	1500	999	-162	-11.2	-7.7	-0.03	-0.02	99.3	99.4	-0.7	-0.2	-0.3	-0.9	0.1	99.9	99.6	98.4
2010	1692	1038	-106	-8.8	-4.7	-0.04	-0.01	98.9	99.5	-0.6	-0.5	-0.0	-0.7	-0.3	100.1	99.5	99.0
2011	1785	1083	-95	-5.0	-3.4	0.01	0.01	99.2	99.8	-0.0	-0.1	0.4	-0.2	0.1	100.2	99.5	99.1
2012	1727	1117	-44	0.0	-1.0	0.04	0.01	99.4	99.9	-0.4	-0.4	0.1	-0.5	0.1	100.4	100.2	99.7
2013	1803	1185	93	6.8	4.7	0.03	0.02	99.7	99.7	0.2	0.2	0.3	0.1	0.5	100.1	99.9	100.3
2014	1807	1222	121	9.8	6.5	0.06	0.03	99.8	100.3	0.5	0.5	0.4	0.4	0.4	100.2	100.1	100.4
2015	1725	1282	184	15.0	9.5	0.08	0.04	100.2	100.6	0.9	0.4	0.5	1.0	0.1	100.6	100.4	100.6
2016	1711	1312	236	16.3	11.5	0.06	0.04	100.3	100.5	1.4	0.6	0.7	1.6	-0.0	100.7	100.4	101.3
2017	1520	1350	314	19.3	13.8	0.05	0.03	100.6	101.5	1.7	0.9	1.0	1.8	0.3	101.2	100.8	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.

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Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2007	2132	917	-357	-21.9	-16.3	-0.04	-0.03	99.1	99.0	-0.6	0.2	0.5	-1.3	0.3	100.4	99.9	98.5
2008	2148	940	-312	-20.0	-14.4	-0.05	-0.03	98.9	99.1	-0.5	0.2	0.6	-1.0	0.1	100.3	99.8	98.4
2009	2267	988	-261	-15.8	-11.2	-0.03	-0.02	99.3	99.3	-0.1	0.3	0.7	-0.7	0.4	100.4	99.7	98.5
2010	2275	1007	-223	-14.6	-10.2	-0.04	-0.02	98.9	99.1	0.3	0.7	1.1	-0.3	0.4	100.3	99.6	98.8
2011	2322	1045	-208	-12.1	-8.7	-0.01	-0.01	98.7	99.4	0.9	1.1	1.4	0.4	0.8	100.5	99.3	98.5
2012	2259	1087	-145	-6.9	-5.9	0.01	-0.00	99.1	99.5	0.9	0.8	1.3	0.4	1.0	100.6	99.8	98.9
2013	2195	1126	-88	-3.7	-3.1	0.02	0.01	99.1	99.4	1.2	1.1	1.3	0.8	1.2	100.6	99.9	99.2
2014	2087	1154	-13	-1.8	-0.5	-0.01	0.00	99.3	99.8	1.4	1.2	1.3	1.1	1.2	100.8	99.9	99.7
2015	2204	1209	40	3.2	2.2	0.03	0.01	99.6	100.0	1.7	1.2	1.4	1.5	1.0	101.1	100.5	100.3
2016	2181	1248	33	4.8	3.1	0.05	0.03	99.4	99.7	2.6	1.5	2.0	2.5	1.1	101.1	100.1	100.4
2017	1900	1301	126	9.0	6.4	0.04	0.02	99.9	100.1	3.2	2.2	2.4	3.0	1.2	101.4	100.3	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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Manitoba

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2007	91	886	-198	-18.7	-10.5	-0.11	-0.03	99.6	99.0	-3.5	-1.8	-1.7	-3.7	-1.7	99.3	100.2	100.0
2008	83	955	-34	-7.9	-3.6	-0.07	-0.03	100.3	99.7	-3.3	-1.4	-2.0	-3.3	-1.9	99.0	99.2	99.0
2009	88	960	-63	-11.6	-4.6	-0.10	-0.03	99.7	99.1	-2.4	-1.9	-1.7	-2.2	-1.5	99.5	100.0	99.0
2010	80	1001	2	-4.9	-2.0	-0.06	-0.03	101.3	99.4	-2.3	-1.9	-1.8	-1.8	-2.2	98.9	98.7	98.0
2011	78	1045	-59	-4.5	-2.1	-0.02	0.00	100.1	99.2	-1.5	-0.8	-0.9	-1.5	-0.8	99.4	99.4	98.5
2012	81	1095	138	-0.1	2.8	-0.08	-0.03	100.1	100.0	-1.6	-1.2	-1.4	-1.2	-1.4	99.7	99.9	99.5
2013	74	1111	75	0.3	1.4	-0.04	-0.02	100.2	99.4	-0.3	-0.5	-0.1	0.0	-0.2	99.6	98.9	99.2
2014	77	1195	193	5.5	6.3	-0.05	-0.01	100.8	100.0	1.2	0.9	0.4	1.4	0.3	100.0	97.9	100.0
2015	67	1266	163	12.2	8.1	0.06	0.03	101.0	100.6	1.2	0.4	0.6	1.4	-0.0	100.6	99.8	100.7
2016	91	1267	197	11.7	8.4	0.03	0.02	100.4	101.2	0.9	-0.3	0.3	1.4	0.0	101.1	100.8	100.7
2017	54	1321	222	11.9	10.8	0.01	0.02	99.7	100.3	3.0	2.1	1.8	3.2	1.4	100.9	99.2	99.3

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
2007	32	867	-550	-32.5	-22.6	-0.05	-0.02	98.6	97.6	0.9	1.3	2.3	-0.5	1.0	100.0	99.5	98.4
2008	41	860	-495	-28.9	-21.9	-0.04	-0.04	98.9	99.2	-0.3	0.2	1.0	-1.1	-0.1	100.3	100.4	98.5
2009	21	957	-498	-20.0	-17.2	0.09	0.03	100.4	98.8	0.3	-0.0	1.6	-0.1	0.2	100.3	100.1	97.8
2010	28	971	-328	-18.5	-12.6	-0.01	0.00	99.0	98.7	0.4	0.2	1.3	-0.0	0.2	100.5	99.7	98.9
2011	23	1027	-348	-20.8	-14.7	-0.02	-0.02	99.6	99.7	2.2	1.7	2.8	1.2	2.0	101.9	100.0	99.6
2012	22	929	-599	-23.5	-21.7	0.11	0.02	95.9	97.4	1.3	2.2	2.2	0.2	2.2	100.1	100.3	99.6
2013	16	1048	-242	-10.3	-11.6	0.04	-0.03	100.4	99.4	1.4	1.3	1.2	0.8	1.1	100.6	101.8	100.6
2014	22	1090	-277	-13.7	-9.5	0.02	0.02	97.6	98.6	2.9	1.8	3.0	2.9	1.0	100.0	98.3	100.0
2015	31	1222	16	5.5	2.2	0.07	0.03	99.6	100.2	1.5	0.7	1.1	1.5	0.6	100.8	100.6	99.7
2016	36	1258	206	8.0	5.4	-0.02	-0.03	100.0	101.1	1.7	1.5	1.3	1.6	1.9	100.9	101.4	100.6
2017	34	1265	241	12.8	8.5	0.04	0.00	101.5	101.9	0.7	0.3	-0.1	1.1	-0.3	100.9	100.5	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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Alberta

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2007	181	919	-319	-21.0	-15.2	-0.06	-0.04	99.0	99.9	-0.9	-0.5	-0.0	-1.2	-0.3	100.1	99.1	99.0
2008	205	951	-216	-17.0	-11.3	-0.07	-0.04	99.1	99.3	-1.2	-0.9	-0.3	-1.4	-0.8	100.3	99.9	98.8
2009	214	940	-311	-19.3	-13.9	-0.04	-0.02	98.2	99.1	-0.7	-0.7	0.3	-1.2	0.1	100.2	99.9	99.1
2010	216	1020	-118	-11.5	-6.7	-0.07	-0.03	98.3	99.4	-0.5	-0.3	0.2	-0.8	-0.0	100.5	99.6	99.3
2011	216	1043	-144	-9.8	-6.4	-0.02	-0.01	97.8	99.2	0.4	0.6	0.8	0.0	0.1	99.8	99.4	99.1
2012	222	1086	-117	-7.2	-4.9	-0.01	-0.00	98.4	99.4	0.6	0.3	1.1	0.1	0.8	100.8	100.2	100.1
2013	218	1144	-11	-0.7	-0.9	0.01	-0.00	99.2	99.5	1.0	0.9	1.0	0.7	0.3	100.4	100.1	100.0
2014	252	1125	10	-3.6	-1.0	-0.05	-0.02	98.9	100.3	1.0	0.4	0.8	0.8	0.6	100.7	99.9	99.9
2015	245	1215	51	1.5	2.0	-0.01	0.00	99.1	100.4	2.2	1.3	1.7	2.0	0.8	101.4	100.7	100.3
2016	232	1244	144	6.1	5.4	-0.01	0.00	99.5	100.0	2.0	0.9	1.6	2.0	0.1	100.9	100.4	100.3
2017	206	1316	268	10.2	9.4	-0.04	-0.01	100.5	100.5	3.3	1.7	2.1	3.3	0.8	101.3	100.4	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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British Columbia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2007	296	923	-20	-13.2	-7.3	-0.16	-0.09	100.3	99.2	-2.9	-1.9	-1.4	-2.7	-1.9	99.1	99.4	100.0
2008	306	942	-75	-13.5	-7.9	-0.12	-0.07	99.9	99.6	-2.7	-2.1	-1.2	-2.4	-2.1	99.6	99.4	99.8
2009	335	972	48	-11.3	-3.5	-0.18	-0.07	100.2	99.5	-2.4	-1.6	-1.2	-2.3	-1.6	99.4	99.5	99.9
2010	335	1001	85	-5.9	-1.3	-0.13	-0.06	100.2	99.7	-2.5	-1.7	-1.5	-2.2	-2.2	99.0	99.3	99.8
2011	375	1040	175	-5.4	1.5	-0.18	-0.07	99.8	100.0	-1.8	-1.2	-1.1	-1.4	-1.4	99.4	99.5	99.6
2012	366	1088	218	0.0	3.5	-0.14	-0.06	100.3	99.9	-1.3	-0.6	-0.9	-1.2	-1.1	99.4	99.7	99.9
2013	363	1163	308	7.2	8.7	-0.10	-0.04	100.5	100.1	-1.1	-0.6	-0.8	-1.0	-0.7	99.6	99.9	100.5
2014	327	1180	352	8.6	10.6	-0.11	-0.03	100.6	100.5	-1.1	-0.7	-1.2	-0.8	-0.9	99.7	100.3	101.0
2015	357	1254	459	15.2	16.0	-0.10	-0.01	100.2	100.8	-0.7	-0.7	-1.0	-0.2	-0.8	99.7	99.8	100.8
2016	322	1284	437	15.6	14.8	-0.08	-0.02	100.6	101.6	0.1	-0.5	-0.4	0.8	-0.7	100.5	100.2	101.0
2017	268	1350	573	22.1	20.4	-0.09	-0.02	101.1	101.5	0.6	0.3	-0.1	0.9	-0.3	100.4	100.6	101.1

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 Jersey cows
Lactanet Canada, August 2020

Newfoundland

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2011	1	1077	-593	-3.0	-8.0	0.39	0.21	100.0	100.0	0.0	5.0	0.0	-2.0	3.0	99.0	102.0	99.0
2012	1	1055	-241	-24.0	-15.0	-0.15	-0.08	99.0	101.0	4.0	2.0	0.0	5.0	3.0	106.0	102.0	104.0
2013	1	1190	141	16.0	3.0	0.23	0.02	100.0	103.0	0.0	2.0	-1.0	-1.0	-1.0	99.0	101.0	.
2015	1	1285	189	11.0	14.0	0.02	0.09	98.0	103.0	1.0	3.0	-6.0	2.0	-1.0	103.0	107.0	104.0
2016	1	1178	327	0.0	13.0	-0.22	0.00	100.0	102.0	0.0	3.0	-5.0	1.0	-1.0	101.0	105.0	103.0

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.