

Provincial genetic trends by birth year for Jersey cows
Lactanet Canada, August 2021

Prince Edward Island

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2008	11	1033	185	-10.4	-1.8	-0.25	-0.12	98.5	97.5	-0.8	-1.0	-0.5	-0.9	-1.1	99.0	98.1	98.3
2009	6	923	-280	-19.3	-12.7	-0.06	-0.03	99.0	100.0	-0.5	-1.2	-0.8	-0.2	0.3	99.3	95.8	95.5
2010	6	1153	178	1.3	6.3	-0.10	-0.01	99.7	98.3	1.2	-0.2	1.7	0.7	0.7	98.5	95.8	98.3
2011	9	1134	161	0.7	5.3	-0.10	-0.01	100.7	99.3	0.2	-1.1	1.9	0.2	-0.2	98.6	95.3	99.1
2012	9	1153	244	5.0	6.0	-0.09	-0.04	101.7	96.9	-2.0	0.4	-0.3	-3.1	0.7	98.8	101.0	100.0
2013	5	953	-17	-5.8	-1.4	-0.07	-0.02	97.6	99.2	-2.4	-0.2	-3.8	-1.8	-3.0	96.8	95.3	98.3
2014	10	1077	-56	-9.4	-6.2	-0.08	-0.05	98.7	97.9	2.0	1.0	1.6	0.9	1.0	98.5	97.8	96.7
2015	21	1253	-23	6.9	1.4	0.12	0.04	98.0	98.8	2.0	1.5	1.8	1.0	0.9	100.5	100.4	101.2
2016	17	1213	-283	-5.9	-8.5	0.13	0.03	98.6	99.5	3.8	2.8	3.3	3.2	2.6	102.2	100.6	101.1
2017	22	1310	-7	10.1	3.9	0.15	0.06	98.8	100.0	2.8	1.8	1.9	2.9	0.7	101.0	100.0	100.2
2018	44	1360	307	13.9	9.5	-0.02	-0.03	100.2	100.7	2.7	1.3	2.0	2.8	1.0	101.8	101.2	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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Nova Scotia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2008	57	987	-220	-15.0	-11.4	-0.04	-0.04	99.1	98.1	-1.6	-0.5	-0.7	-1.9	-1.2	99.4	99.8	98.2
2009	50	957	-357	-20.4	-16.9	-0.02	-0.04	98.3	99.4	-1.1	-0.9	-0.6	-1.0	-0.9	99.8	99.3	98.2
2010	60	1057	-148	-13.5	-8.5	-0.07	-0.03	99.8	98.9	-0.0	-0.4	0.6	-0.2	0.6	100.3	99.5	98.3
2011	58	1024	-259	-14.7	-11.4	-0.01	-0.02	98.1	98.7	0.1	0.1	0.7	-0.1	-0.3	100.1	98.8	98.6
2012	67	1055	-302	-9.7	-11.4	0.09	0.00	98.6	99.4	0.0	-0.5	0.2	-0.1	0.0	100.4	98.9	98.4
2013	72	1102	-102	-2.4	-4.6	0.04	-0.01	98.6	99.8	-0.6	0.4	-0.5	-0.6	0.2	99.8	99.5	98.7
2014	78	1131	30	-1.8	-0.7	-0.03	-0.02	99.6	100.1	-0.0	-0.3	-0.2	-0.1	0.2	100.1	99.5	98.9
2015	84	1211	-89	5.0	-0.9	0.13	0.04	99.3	99.6	1.1	0.8	0.6	1.0	1.0	100.1	100.0	99.2
2016	64	1231	23	1.6	-1.2	0.01	-0.03	99.7	100.6	1.6	0.1	1.3	1.8	0.2	101.7	100.8	100.4
2017	80	1300	-34	8.3	2.7	0.14	0.06	100.3	101.1	3.0	2.1	2.1	2.7	1.6	101.6	99.9	99.9
2018	92	1359	178	16.2	9.1	0.10	0.03	100.5	100.8	3.1	1.6	1.8	3.0	2.3	101.5	99.7	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.
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
2008	91	928	-167	-18.5	-12.1	-0.12	-0.07	99.9	98.4	-3.0	-1.7	-1.2	-3.1	-1.9	99.3	99.9	98.4
2009	89	965	-97	-15.4	-7.5	-0.13	-0.05	100.8	99.3	-2.9	-2.0	-1.4	-3.1	-1.1	99.2	99.8	99.1
2010	80	1004	-67	-10.3	-6.2	-0.08	-0.04	99.8	99.1	-2.4	-0.6	-0.5	-3.0	-1.5	99.1	99.4	99.0
2011	99	1025	-82	-9.0	-3.2	-0.05	0.00	99.7	99.0	-2.1	-1.5	-1.1	-2.0	-1.3	98.8	98.8	98.7
2012	94	1062	102	-4.3	-0.9	-0.12	-0.06	100.4	99.7	-1.9	-0.4	-0.6	-2.4	-1.0	98.9	99.4	99.3
2013	98	1139	124	7.5	5.0	0.03	0.01	100.6	99.6	-2.3	-0.7	-1.6	-2.5	-0.9	99.0	99.5	100.4
2014	93	1144	270	3.3	6.3	-0.13	-0.05	99.7	99.5	-1.7	-0.8	-1.1	-1.8	-0.7	99.1	99.9	101.0
2015	112	1244	373	14.2	11.7	-0.06	-0.03	100.5	100.0	-1.1	-0.8	-0.9	-0.8	-1.1	99.5	100.0	100.4
2016	112	1275	418	15.7	14.0	-0.06	-0.02	101.3	100.4	-0.6	-0.6	-0.8	-0.4	-0.7	99.8	100.1	101.1
2017	95	1305	384	15.9	12.7	-0.04	-0.02	100.9	100.2	0.7	0.4	0.2	0.9	-0.2	100.1	100.0	101.3
2018	72	1342	410	19.1	14.2	-0.01	-0.02	101.0	100.7	0.7	0.5	0.2	0.8	-0.0	100.8	101.2	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.

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Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2008	1368	958	-310	-21.3	-14.8	-0.06	-0.04	98.6	99.0	-1.1	-0.3	-0.2	-1.5	-0.5	99.9	99.7	98.2
2009	1504	1003	-230	-15.4	-10.9	-0.04	-0.03	98.9	99.1	-1.0	-0.4	-0.3	-1.4	0.1	99.8	99.6	98.3
2010	1699	1037	-176	-13.1	-7.9	-0.05	-0.01	98.6	99.1	-0.9	-0.7	0.1	-1.2	-0.3	100.0	99.5	98.8
2011	1795	1081	-163	-9.1	-6.5	-0.00	-0.00	98.8	99.4	-0.3	-0.3	0.5	-0.6	0.1	100.2	99.5	98.9
2012	1739	1112	-112	-4.2	-4.2	0.03	0.00	99.1	99.5	-0.7	-0.6	0.1	-1.0	0.1	100.3	100.1	99.6
2013	1821	1173	25	2.6	1.6	0.02	0.01	99.5	99.4	-0.1	0.0	0.2	-0.3	0.5	100.0	99.8	100.2
2014	1847	1208	56	5.6	3.5	0.04	0.02	99.5	99.9	0.3	0.3	0.4	0.1	0.4	100.1	99.9	100.3
2015	1756	1270	124	11.4	6.7	0.07	0.03	100.0	100.3	0.7	0.3	0.4	0.7	0.1	100.5	100.4	100.4
2016	1803	1296	164	12.0	8.1	0.06	0.03	100.1	100.1	1.2	0.5	0.7	1.4	0.1	100.7	100.4	101.1
2017	1770	1343	273	16.8	11.9	0.05	0.02	100.5	101.2	1.4	0.8	0.8	1.5	0.2	101.0	100.7	100.6
2018	1581	1405	397	22.2	17.1	0.03	0.03	100.7	101.5	2.0	1.1	1.0	2.1	0.4	101.3	100.5	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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Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2008	2152	952	-382	-24.3	-17.6	-0.05	-0.04	98.6	98.7	-0.8	-0.1	0.7	-1.5	0.0	100.2	99.7	98.3
2009	2273	996	-330	-20.1	-14.4	-0.03	-0.02	99.0	99.0	-0.4	0.1	0.8	-1.2	0.4	100.3	99.6	98.4
2010	2278	1012	-294	-19.0	-13.5	-0.04	-0.03	98.6	98.7	0.0	0.4	1.2	-0.8	0.4	100.3	99.5	98.7
2011	2327	1046	-279	-16.4	-12.0	-0.02	-0.01	98.4	99.0	0.6	0.9	1.5	-0.1	0.7	100.3	99.2	98.4
2012	2268	1087	-215	-11.1	-9.1	0.01	-0.01	98.8	99.1	0.6	0.7	1.3	-0.1	0.9	100.5	99.7	98.8
2013	2215	1124	-158	-8.0	-6.3	0.01	-0.00	98.9	99.0	1.0	1.0	1.4	0.4	1.2	100.5	99.8	99.1
2014	2112	1150	-75	-5.9	-3.5	-0.02	-0.01	99.0	99.5	1.1	1.0	1.3	0.6	1.1	100.6	99.8	99.5
2015	2228	1209	-22	-0.4	-0.6	0.02	0.01	99.3	99.6	1.5	1.0	1.4	1.2	0.9	101.0	100.4	100.1
2016	2235	1242	-33	0.9	0.2	0.04	0.02	99.3	99.4	2.4	1.3	2.0	2.2	1.1	101.1	100.1	100.2
2017	2077	1284	57	4.3	3.1	0.03	0.02	99.6	99.6	2.9	1.9	2.3	2.6	1.1	101.2	100.2	100.2
2018	1968	1346	181	10.7	8.1	0.03	0.02	99.9	99.9	3.3	2.2	2.4	3.1	1.1	101.4	100.3	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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Manitoba

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2008	83	952	-104	-12.0	-6.9	-0.08	-0.04	99.9	99.3	-3.7	-1.5	-2.0	-3.7	-2.0	98.8	99.3	98.9
2009	88	965	-132	-15.7	-7.7	-0.11	-0.03	99.3	98.8	-2.8	-2.2	-1.6	-2.6	-1.5	99.4	100.0	98.9
2010	80	991	-69	-9.1	-5.3	-0.06	-0.03	101.1	99.0	-2.6	-2.1	-1.7	-2.2	-2.1	98.6	98.7	98.0
2011	80	1038	-147	-9.3	-6.1	-0.02	-0.00	99.8	98.8	-1.8	-1.1	-0.8	-1.9	-0.8	99.4	99.4	98.6
2012	85	1086	71	-5.3	-0.5	-0.11	-0.04	100.0	99.5	-1.8	-1.3	-1.3	-1.4	-1.3	99.6	99.8	99.6
2013	83	1105	19	-3.6	-1.5	-0.06	-0.03	100.1	98.8	-0.4	-0.5	0.1	-0.2	-0.1	99.5	98.9	99.5
2014	84	1159	136	-0.1	2.8	-0.08	-0.03	100.4	99.8	1.0	0.5	0.2	1.2	0.2	99.8	97.6	99.8
2015	90	1246	71	7.6	4.1	0.06	0.02	100.4	100.0	1.1	0.3	0.6	1.0	-0.0	100.3	99.8	100.3
2016	118	1251	153	6.8	5.7	-0.00	0.00	100.5	100.8	0.8	-0.3	0.3	1.0	0.2	100.9	100.6	100.0
2017	102	1310	199	10.3	8.4	0.01	0.01	99.9	100.6	2.3	1.4	1.5	2.2	1.0	100.9	99.8	100.0
2018	121	1333	259	12.4	10.3	-0.00	0.01	100.6	100.7	2.1	1.0	1.1	2.5	0.2	101.1	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.
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Saskatchewan

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2008	41	891	-566	-33.2	-25.1	-0.05	-0.05	98.6	98.7	-0.5	0.0	1.1	-1.5	-0.1	100.3	100.5	98.3
2009	21	974	-568	-24.1	-20.6	0.08	0.02	100.2	98.3	0.1	-0.3	1.7	-0.5	0.2	100.0	100.1	97.7
2010	28	982	-398	-22.7	-15.8	-0.02	-0.01	98.6	98.3	0.3	0.1	1.4	-0.4	0.3	100.4	99.5	98.8
2011	23	1041	-420	-25.2	-18.2	-0.03	-0.03	99.5	99.3	1.8	1.7	2.8	1.0	1.9	101.8	100.0	99.4
2012	22	956	-667	-27.6	-24.8	0.10	0.01	95.8	97.0	0.9	1.8	2.5	-0.1	2.4	100.2	100.3	99.7
2013	16	1056	-316	-14.8	-14.9	0.03	-0.04	100.3	98.9	1.2	0.9	1.3	0.6	1.1	100.4	101.2	100.1
2014	22	1083	-340	-17.8	-12.3	0.01	0.01	97.5	98.1	2.8	1.7	3.1	2.4	0.9	99.9	98.0	100.2
2015	31	1229	-27	2.5	-0.2	0.06	0.02	99.5	99.8	1.3	0.5	1.1	1.1	0.6	100.7	100.7	99.8
2016	36	1262	178	5.9	3.9	-0.03	-0.03	99.9	100.6	1.5	1.3	1.1	1.1	1.7	100.7	100.9	100.6
2017	43	1301	126	9.2	4.8	0.05	0.01	101.4	101.1	1.2	0.3	0.5	1.4	0.5	101.2	101.7	100.9
2018	29	1340	156	6.2	6.5	-0.02	0.01	100.1	100.6	3.7	2.4	3.2	3.3	1.1	101.3	101.1	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.
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
2008	205	959	-285	-21.2	-14.5	-0.08	-0.05	98.7	99.0	-1.5	-1.0	-0.2	-1.8	-0.8	100.2	99.8	98.7
2009	215	951	-372	-23.3	-16.8	-0.05	-0.03	97.9	98.7	-1.1	-0.8	0.3	-1.7	0.0	100.1	99.8	99.1
2010	217	1022	-186	-15.7	-9.9	-0.07	-0.03	98.0	99.1	-0.7	-0.5	0.4	-1.2	-0.1	100.3	99.5	99.2
2011	215	1044	-205	-13.8	-9.4	-0.04	-0.02	97.4	98.9	0.2	0.4	0.8	-0.4	0.1	99.6	99.3	99.0
2012	222	1087	-189	-11.1	-8.2	-0.01	-0.01	98.1	99.0	0.3	0.1	1.1	-0.3	0.7	100.6	100.1	99.7
2013	212	1137	-76	-4.8	-3.9	-0.00	-0.01	98.9	99.3	0.7	0.7	0.9	0.3	0.2	100.3	100.0	99.6
2014	264	1116	-53	-7.4	-4.0	-0.05	-0.02	98.8	100.0	0.5	0.1	0.7	0.2	0.4	100.5	99.8	99.7
2015	256	1201	-26	-3.1	-1.5	-0.02	-0.00	99.0	100.0	1.9	1.1	1.6	1.6	0.6	101.1	100.6	99.9
2016	267	1227	82	1.7	2.5	-0.03	-0.01	99.4	99.7	1.6	0.7	1.3	1.4	-0.1	100.7	100.4	100.0
2017	279	1313	194	7.2	7.0	-0.03	-0.00	100.3	100.2	3.1	1.6	2.2	3.0	0.6	101.2	100.2	99.9
2018	252	1358	205	13.3	9.3	0.04	0.02	100.2	100.2	3.2	1.5	2.2	3.3	1.0	101.4	100.1	99.7

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.

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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
2008	307	945	-143	-17.6	-11.0	-0.13	-0.07	99.6	99.3	-3.1	-2.3	-1.2	-2.8	-2.1	99.4	99.4	99.7
2009	336	972	-16	-15.4	-6.6	-0.19	-0.08	100.0	99.2	-2.8	-1.8	-1.3	-2.8	-1.7	99.3	99.5	99.7
2010	335	999	19	-10.0	-4.4	-0.14	-0.06	100.0	99.3	-2.8	-1.9	-1.5	-2.7	-2.2	98.9	99.3	99.7
2011	379	1037	113	-9.4	-1.4	-0.19	-0.07	99.6	99.5	-2.1	-1.3	-1.0	-1.8	-1.5	99.3	99.5	99.5
2012	371	1080	155	-3.9	0.5	-0.15	-0.07	100.0	99.5	-1.5	-0.7	-0.9	-1.6	-1.1	99.3	99.6	99.9
2013	366	1151	248	3.3	5.7	-0.11	-0.05	100.3	99.7	-1.3	-0.6	-0.8	-1.3	-0.6	99.4	99.8	100.4
2014	337	1174	305	4.9	8.0	-0.13	-0.04	100.3	100.2	-1.4	-0.9	-1.2	-1.1	-0.9	99.5	100.2	100.8
2015	368	1237	406	11.3	13.3	-0.11	-0.02	100.1	100.5	-1.0	-0.9	-1.1	-0.6	-0.9	99.5	99.9	100.7
2016	345	1271	381	12.3	12.1	-0.09	-0.03	100.5	101.1	-0.1	-0.6	-0.5	0.5	-0.8	100.2	100.3	100.9
2017	338	1320	526	18.6	17.7	-0.10	-0.03	101.0	101.0	0.3	0.2	-0.4	0.4	-0.4	99.9	100.1	100.7
2018	303	1374	555	21.8	20.0	-0.08	-0.01	101.1	100.8	1.0	0.3	0.0	1.6	-0.6	100.3	99.9	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.

Provincial genetic trends by birth year for Jersey cows
Lactanet Canada, August 2021

Newfoundland

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2011	1	1059	-652	-8.0	-11.0	0.36	0.19	100.0	100.0	0.0	5.0	0.0	-3.0	3.0	99.0	101.0	99.0
2012	1	1131	-207	-27.0	-15.0	-0.22	-0.09	98.0	101.0	4.0	2.0	0.0	5.0	4.0	107.0	103.0	104.0
2013	1	1192	104	11.0	0.0	0.19	0.00	100.0	102.0	0.0	2.0	-1.0	-1.0	-1.0	100.0	101.0	.
2015	1	1331	22	9.0	8.0	0.10	0.10	97.0	102.0	1.0	2.0	-6.0	2.0	-2.0	103.0	108.0	104.0
2016	1	1255	276	-5.0	10.0	-0.26	-0.01	100.0	101.0	0.0	3.0	-4.0	1.0	-1.0	102.0	107.0	103.0
2017	1	1481	-54	47.0	20.0	0.67	0.30	92.0	105.0	1.0	1.0	-5.0	3.0	-1.0	101.0	.	.
2018	2	1328	441	0.5	13.5	-0.29	-0.05	100.0	100.5	5.0	4.5	1.5	5.0	1.5	101.5	100.0	101.0

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.