

Provincial genetic trends by birth year for Jersey cows
Lactanet Canada, August 2022

Prince Edward Island

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2009	6	927	-320	-21.5	-14.3	-0.06	-0.03	99.0	100.0	-0.7	-1.2	-0.8	-0.7	0.5	99.5	96.0	95.3
2010	6	1151	129	-1.2	4.2	-0.10	-0.01	99.5	98.3	0.5	-0.2	1.7	0.5	0.5	98.5	95.7	98.0
2011	9	1132	116	-1.9	3.1	-0.10	-0.02	100.6	99.3	-0.1	-1.2	1.9	0.1	-0.3	98.7	95.1	99.1
2012	9	1153	199	3.2	4.1	-0.08	-0.04	101.6	97.1	-2.6	0.2	-0.3	-3.6	0.2	98.6	101.0	100.2
2013	6	962	-194	-9.3	-7.3	0.01	0.00	97.0	98.8	-2.2	0.2	-3.8	-1.8	-2.0	97.2	97.2	98.6
2014	10	1099	-52	-9.8	-6.8	-0.09	-0.06	98.8	97.9	1.4	0.8	1.9	0.6	0.6	98.9	97.9	96.9
2015	22	1272	-26	5.8	0.7	0.11	0.03	98.0	99.0	1.8	1.5	2.0	0.9	0.9	100.3	100.6	100.5
2016	23	1230	-213	-4.7	-8.5	0.09	-0.00	98.4	100.0	3.1	2.2	3.2	2.4	1.9	102.0	100.6	100.6
2017	29	1314	-22	10.2	2.2	0.16	0.04	98.9	100.3	1.8	0.5	1.2	1.9	-0.2	101.4	100.9	101.0
2018	56	1338	360	10.5	9.9	-0.09	-0.05	99.8	100.4	1.9	1.0	1.3	1.9	0.7	101.3	100.8	100.8
2019	47	1416	333	22.5	14.9	0.08	0.03	99.9	101.7	1.9	1.0	0.6	2.1	0.6	101.4	100.9	101.5

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
2009	50	952	-404	-23.1	-18.9	-0.02	-0.04	98.3	99.4	-1.4	-1.0	-0.6	-1.3	-1.0	99.8	99.2	98.0
2010	61	1060	-183	-15.8	-10.3	-0.08	-0.04	99.9	99.1	-0.2	-0.5	0.7	-0.3	0.4	100.3	99.5	98.1
2011	58	1022	-306	-17.4	-13.5	-0.01	-0.02	97.9	98.7	-0.2	-0.1	0.7	-0.3	-0.4	100.0	98.9	98.5
2012	67	1049	-341	-12.2	-13.4	0.08	-0.00	98.6	99.4	-0.2	-0.7	0.2	-0.3	-0.1	100.1	98.8	98.2
2013	73	1096	-134	-4.6	-6.7	0.04	-0.02	98.6	99.7	-0.8	0.3	-0.6	-0.9	0.1	99.6	99.5	98.5
2014	78	1127	-19	-4.6	-2.9	-0.04	-0.02	99.4	100.0	-0.3	-0.4	-0.2	-0.3	0.1	100.1	99.4	98.7
2015	85	1208	-127	2.3	-2.7	0.12	0.03	99.4	99.4	0.9	0.7	0.7	0.8	0.8	99.8	99.9	99.1
2016	63	1228	-25	-2.1	-3.3	-0.00	-0.03	99.6	100.5	1.5	0.1	1.4	1.7	0.2	101.8	100.7	100.2
2017	81	1310	-81	7.0	1.2	0.16	0.06	100.5	101.1	2.7	1.9	2.2	2.6	1.4	101.5	99.9	99.5
2018	108	1348	136	12.8	7.0	0.08	0.03	100.0	100.6	2.6	1.4	1.5	2.8	2.0	101.4	99.8	99.3
2019	71	1398	233	13.9	9.5	0.03	0.01	100.9	101.6	3.1	1.6	1.7	3.3	1.3	102.0	101.3	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.
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
2009	89	963	-138	-18.2	-9.5	-0.13	-0.05	101.0	99.3	-3.3	-2.1	-1.4	-3.4	-1.2	99.2	99.8	99.0
2010	81	1000	-108	-13.2	-8.3	-0.09	-0.05	99.7	99.1	-2.7	-0.7	-0.5	-3.3	-1.4	99.1	99.4	99.0
2011	100	1025	-113	-11.5	-5.0	-0.07	-0.01	99.7	99.1	-2.4	-1.7	-1.2	-2.4	-1.4	98.8	99.0	98.7
2012	95	1063	64	-6.8	-2.6	-0.12	-0.06	100.4	99.7	-2.2	-0.5	-0.6	-2.6	-0.9	99.1	99.2	99.1
2013	101	1136	111	4.6	3.3	-0.00	-0.01	100.6	99.6	-2.6	-0.8	-1.6	-2.7	-0.9	99.0	99.5	100.3
2014	98	1147	260	1.6	4.9	-0.14	-0.06	99.4	99.6	-2.2	-0.9	-1.2	-2.1	-0.8	99.0	100.0	101.2
2015	117	1237	339	10.4	9.3	-0.08	-0.04	100.5	99.9	-1.4	-1.0	-0.8	-1.0	-1.3	99.5	100.1	100.4
2016	114	1272	355	12.5	11.5	-0.06	-0.02	101.1	100.4	-0.8	-0.8	-0.6	-0.6	-0.7	99.9	100.0	100.7
2017	98	1296	383	12.4	11.1	-0.08	-0.04	101.0	100.3	0.4	0.3	0.2	0.6	-0.2	99.9	99.9	100.6
2018	131	1325	435	13.8	12.4	-0.10	-0.05	100.6	100.8	0.5	-0.0	0.2	0.9	-0.3	100.8	100.7	101.2
2019	121	1385	482	22.5	18.4	-0.02	0.00	100.6	101.6	0.3	0.1	-0.5	0.8	-0.7	100.5	100.8	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.

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Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2009	1504	1002	-269	-17.9	-12.7	-0.05	-0.03	98.9	99.0	-1.2	-0.5	-0.3	-1.6	0.0	99.7	99.6	98.1
2010	1703	1037	-212	-15.5	-9.7	-0.05	-0.02	98.6	99.1	-1.2	-0.8	0.1	-1.4	-0.4	99.9	99.5	98.7
2011	1800	1081	-200	-11.5	-8.3	-0.01	-0.01	98.8	99.4	-0.5	-0.4	0.5	-0.8	-0.0	100.1	99.5	98.9
2012	1753	1109	-151	-6.7	-6.0	0.02	-0.00	99.1	99.5	-0.9	-0.7	0.2	-1.2	0.0	100.2	100.0	99.4
2013	1835	1171	-14	-0.1	-0.4	0.02	0.01	99.4	99.3	-0.3	-0.1	0.3	-0.6	0.4	99.9	99.8	100.0
2014	1871	1207	21	3.1	1.6	0.03	0.01	99.4	99.8	0.0	0.2	0.4	-0.2	0.2	100.0	99.9	100.1
2015	1799	1269	80	8.5	4.7	0.07	0.02	99.9	100.2	0.5	0.2	0.5	0.4	-0.0	100.5	100.4	100.2
2016	1865	1292	121	9.1	6.0	0.05	0.02	100.0	100.1	1.1	0.4	0.8	1.2	-0.0	100.7	100.2	100.7
2017	1865	1340	226	13.5	9.6	0.04	0.02	100.4	101.0	1.3	0.6	0.9	1.3	0.1	101.0	100.7	100.3
2018	1781	1392	316	18.5	13.9	0.04	0.03	100.4	101.2	1.8	1.0	0.9	2.0	0.3	101.2	100.4	100.8
2019	1504	1406	387	21.1	15.6	0.02	0.01	100.4	101.6	1.8	0.7	0.5	2.2	-0.2	101.1	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
2009	2274	992	-371	-22.7	-16.4	-0.04	-0.03	99.0	98.9	-0.6	-0.0	0.8	-1.4	0.3	100.3	99.6	98.2
2010	2282	1009	-335	-21.6	-15.4	-0.05	-0.03	98.6	98.7	-0.2	0.3	1.2	-1.0	0.3	100.2	99.6	98.6
2011	2336	1042	-320	-19.0	-13.9	-0.02	-0.02	98.4	99.0	0.4	0.8	1.5	-0.4	0.7	100.3	99.3	98.3
2012	2275	1081	-256	-13.7	-11.1	0.00	-0.01	98.8	99.1	0.4	0.6	1.3	-0.4	0.9	100.4	99.7	98.6
2013	2222	1120	-198	-10.6	-8.3	0.00	-0.01	98.8	99.0	0.8	0.9	1.4	0.1	1.2	100.5	99.8	98.9
2014	2128	1145	-116	-8.5	-5.4	-0.02	-0.01	99.0	99.4	0.9	0.9	1.3	0.3	1.1	100.6	99.7	99.3
2015	2238	1203	-70	-3.3	-2.7	0.01	0.00	99.2	99.6	1.3	0.9	1.5	0.9	0.9	101.0	100.4	99.9
2016	2268	1237	-73	-2.1	-1.9	0.03	0.02	99.2	99.3	2.2	1.2	2.0	1.9	1.0	101.1	100.0	99.9
2017	2132	1278	8	1.2	0.9	0.02	0.01	99.6	99.4	2.7	1.8	2.4	2.3	1.1	101.2	100.2	99.8
2018	2120	1337	119	7.2	5.2	0.02	0.01	99.8	99.8	3.1	2.2	2.4	2.9	1.1	101.3	100.3	99.9
2019	1740	1372	199	10.7	8.0	0.01	0.01	100.2	100.4	3.1	1.7	2.2	3.1	0.9	101.6	100.6	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.
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Manitoba

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2009	88	961	-172	-18.3	-9.6	-0.12	-0.04	99.3	98.8	-3.2	-2.3	-1.7	-2.9	-1.6	99.4	100.0	98.8
2010	80	988	-107	-11.6	-7.2	-0.07	-0.04	101.1	99.0	-2.9	-2.3	-1.7	-2.6	-2.3	98.6	98.5	97.9
2011	81	1027	-192	-12.4	-8.3	-0.03	-0.01	99.9	98.7	-2.1	-1.2	-0.9	-2.2	-0.8	99.3	99.3	98.5
2012	86	1080	33	-7.7	-2.4	-0.11	-0.04	100.1	99.5	-2.2	-1.4	-1.4	-1.7	-1.5	99.5	99.6	99.5
2013	83	1097	-22	-6.5	-3.5	-0.07	-0.03	100.0	98.7	-0.6	-0.6	-0.1	-0.5	-0.2	99.6	98.9	99.5
2014	93	1145	47	-5.5	-0.8	-0.09	-0.03	100.1	99.7	0.8	0.4	0.4	0.9	0.2	100.1	97.8	99.5
2015	101	1228	-9	2.5	0.3	0.05	0.01	100.1	100.1	0.8	0.1	0.7	0.7	0.1	100.7	100.1	100.3
2016	129	1250	105	4.3	3.9	-0.00	0.00	100.3	100.8	0.5	-0.4	0.5	0.7	-0.0	100.8	100.4	100.2
2017	114	1295	107	4.6	4.4	-0.00	0.00	100.1	100.2	2.2	1.4	1.8	2.1	0.9	101.0	99.9	99.3
2018	166	1342	241	9.6	9.3	-0.02	0.00	100.7	100.8	2.0	0.7	1.2	2.4	0.1	101.1	100.5	100.6
2019	95	1366	279	10.1	10.2	-0.05	-0.00	100.5	100.6	3.1	0.9	2.1	3.4	0.8	101.6	99.9	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.
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Saskatchewan

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2009	21	966	-616	-27.0	-22.8	0.08	0.02	100.1	98.3	-0.2	-0.4	1.8	-1.0	0.1	100.0	100.2	97.5
2010	28	978	-452	-25.5	-18.1	-0.02	-0.01	98.7	98.4	0.1	0.0	1.5	-0.6	0.0	100.4	99.6	98.8
2011	23	1032	-470	-27.9	-20.3	-0.03	-0.03	99.4	99.2	1.7	1.6	2.9	0.7	1.8	101.6	100.0	99.3
2012	23	957	-674	-29.2	-25.8	0.09	0.00	95.7	97.1	0.8	1.7	2.2	-0.4	2.2	99.9	100.2	99.6
2013	16	1046	-379	-18.2	-17.6	0.03	-0.04	100.0	98.8	0.9	0.8	1.4	0.3	0.8	100.3	101.4	99.9
2014	23	1072	-369	-20.0	-14.1	-0.00	0.00	97.1	98.0	2.3	1.4	2.9	2.0	0.7	99.5	97.9	100.2
2015	30	1212	-116	-0.8	-3.4	0.08	0.02	99.2	99.6	0.9	0.3	1.2	0.5	0.4	100.5	100.6	99.6
2016	38	1281	150	4.9	2.9	-0.02	-0.03	99.9	100.7	1.2	1.2	1.2	0.9	1.7	100.7	101.1	100.3
2017	46	1290	56	3.8	1.7	0.03	-0.00	101.1	100.9	0.9	0.1	0.8	1.2	0.3	101.3	101.8	101.1
2018	32	1374	144	5.5	5.9	-0.02	0.01	100.3	100.9	3.5	2.2	3.2	3.4	0.3	101.7	101.1	100.2
2019	36	1352	-188	3.6	-1.7	0.19	0.08	99.1	100.0	4.3	3.1	3.6	4.2	0.5	101.8	100.4	99.6

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
2009	216	948	-414	-26.0	-18.7	-0.06	-0.04	97.9	98.6	-1.3	-0.9	0.3	-1.9	-0.1	100.1	99.8	98.9
2010	217	1016	-228	-18.4	-11.9	-0.08	-0.04	98.0	99.0	-1.0	-0.6	0.4	-1.4	-0.2	100.2	99.4	99.0
2011	218	1041	-244	-16.3	-11.3	-0.04	-0.02	97.5	98.8	-0.1	0.2	0.8	-0.6	-0.0	99.6	99.4	98.8
2012	224	1081	-223	-13.7	-10.0	-0.02	-0.02	98.0	98.9	0.0	0.0	1.1	-0.7	0.6	100.5	100.1	99.5
2013	215	1134	-113	-7.4	-5.7	-0.01	-0.01	98.8	99.1	0.5	0.7	0.9	-0.0	0.1	100.2	99.9	99.5
2014	269	1118	-90	-9.7	-5.7	-0.06	-0.03	98.7	100.0	0.3	-0.1	0.7	-0.1	0.2	100.5	99.8	99.4
2015	265	1209	-46	-4.5	-2.6	-0.02	-0.01	99.0	100.1	1.6	1.0	1.6	1.2	0.5	101.2	100.7	99.9
2016	277	1222	45	-1.5	0.6	-0.04	-0.01	99.2	99.7	1.2	0.5	1.4	1.0	-0.3	100.6	100.4	99.7
2017	296	1300	143	3.8	4.5	-0.04	-0.01	100.1	100.2	2.7	1.3	2.2	2.6	0.4	101.1	99.9	99.6
2018	282	1354	190	10.5	7.9	0.02	0.01	100.0	100.2	3.0	1.4	2.1	3.1	0.8	101.2	99.8	99.7
2019	253	1391	212	11.9	9.4	0.02	0.02	100.3	101.0	3.5	1.6	2.3	3.8	0.6	101.8	100.3	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
2009	336	970	-55	-17.9	-8.4	-0.19	-0.08	100.0	99.2	-3.2	-2.0	-1.3	-3.1	-1.8	99.2	99.5	99.6
2010	335	997	-22	-12.6	-6.3	-0.14	-0.07	100.0	99.3	-3.2	-2.1	-1.5	-2.9	-2.3	98.9	99.2	99.7
2011	380	1035	73	-12.0	-3.4	-0.19	-0.08	99.6	99.5	-2.4	-1.5	-1.1	-2.2	-1.5	99.2	99.5	99.4
2012	375	1081	123	-6.2	-1.2	-0.15	-0.07	100.0	99.6	-1.8	-0.7	-0.9	-1.9	-1.1	99.3	99.5	99.8
2013	372	1152	216	0.8	3.9	-0.12	-0.05	100.2	99.7	-1.6	-0.7	-0.8	-1.6	-0.6	99.5	99.8	100.2
2014	344	1171	270	2.4	6.1	-0.14	-0.05	100.1	100.1	-1.7	-0.9	-1.1	-1.4	-0.9	99.4	100.1	100.6
2015	378	1231	360	8.5	11.1	-0.12	-0.03	100.0	100.4	-1.4	-1.0	-1.1	-0.9	-1.0	99.4	99.8	100.6
2016	367	1260	337	9.3	10.2	-0.09	-0.03	100.4	100.9	-0.5	-0.7	-0.6	0.0	-0.9	100.0	100.0	100.7
2017	367	1313	484	14.8	15.4	-0.12	-0.03	100.8	100.6	0.0	0.1	-0.4	0.2	-0.4	99.8	100.1	100.5
2018	357	1370	503	19.8	17.8	-0.07	-0.01	101.2	100.7	0.8	0.2	-0.0	1.3	-0.6	100.1	99.8	100.6
2019	356	1390	504	20.8	18.5	-0.05	-0.01	100.8	100.9	1.0	0.2	0.1	1.5	-0.6	100.2	100.1	101.2

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.

Provincial genetic trends by birth year for Jersey cows
Lactanet Canada, August 2022

Newfoundland

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2011	1	1057	-685	-10.0	-13.0	0.35	0.19	99.0	100.0	0.0	6.0	0.0	-3.0	3.0	98.0	101.0	99.0
2012	1	1137	-237	-29.0	-16.0	-0.23	-0.10	98.0	101.0	4.0	2.0	0.0	5.0	4.0	107.0	103.0	104.0
2013	1	1218	72	9.0	-1.0	0.18	-0.01	100.0	102.0	0.0	1.0	0.0	-1.0	-1.0	100.0	101.0	.
2015	1	1364	47	10.0	9.0	0.10	0.10	97.0	102.0	1.0	3.0	-6.0	2.0	-2.0	103.0	108.0	104.0
2016	1	1297	320	-3.0	12.0	-0.25	-0.01	100.0	101.0	0.0	3.0	-4.0	1.0	-1.0	102.0	107.0	103.0
2017	1	1515	-28	48.0	21.0	0.66	0.30	94.0	105.0	0.0	1.0	-5.0	3.0	-1.0	101.0	.	.
2018	2	1334	454	0.0	13.5	-0.30	-0.05	101.0	101.0	4.0	4.5	1.0	4.5	1.5	101.5	100.0	101.0
2019	1	1392	529	5.0	17.0	-0.29	-0.04	101.0	101.0	2.0	-1.0	2.0	3.0	1.0	103.0	101.0	105.0

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.