

Provincial genetic trends by birth year for Jersey cows
Lactanet Canada, August 2024

Prince Edward Island

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2011	9	1130	-23	-9.2	-2.8	-0.10	-0.02	100.6	98.8	-0.3	-1.7	2.0	0.0	-0.6	98.7	95.0	99.0
2012	10	1145	30	-3.5	-2.1	-0.06	-0.04	101.9	97.0	-3.3	-0.5	-0.9	-4.2	0.4	98.6	101.3	100.2
2013	6	957	-378	-18.3	-14.7	0.01	0.00	96.5	98.2	-2.8	0.0	-3.5	-2.5	-2.2	97.5	98.3	98.2
2014	10	1098	-175	-17.1	-11.2	-0.09	-0.06	98.5	97.7	0.9	0.3	2.0	0.3	0.7	99.0	97.6	96.8
2015	22	1261	-182	-1.0	-5.3	0.12	0.03	97.9	98.6	1.5	1.3	2.2	0.5	0.7	100.1	99.8	100.2
2016	25	1221	-345	-11.2	-14.1	0.10	-0.01	98.6	99.4	3.1	1.9	3.2	2.3	1.6	101.4	99.8	99.8
2017	32	1328	-84	5.6	-1.3	0.14	0.03	99.1	100.3	1.4	0.0	1.4	1.4	-0.0	101.1	100.7	100.6
2018	57	1345	254	5.4	5.4	-0.09	-0.06	99.7	99.9	1.8	0.9	1.4	1.6	0.6	101.1	100.5	100.2
2019	50	1404	104	12.9	6.8	0.10	0.04	99.0	101.6	1.9	0.8	1.1	2.0	0.8	101.6	100.5	100.9
2020	51	1385	97	4.9	3.0	0.01	-0.00	100.9	100.1	3.6	1.6	2.3	3.6	1.5	101.9	100.1	99.7
2021	48	1452	142	11.1	8.4	0.05	0.04	99.7	100.1	4.1	2.9	2.9	3.7	1.5	101.7	100.0	99.4

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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Lactanet Canada, August 2024

Nova Scotia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2011	58	1019	-446	-24.1	-19.0	-0.01	-0.02	97.8	98.3	-0.4	-0.3	0.8	-0.8	-0.6	99.9	98.7	98.5
2012	69	1048	-455	-18.4	-18.4	0.08	-0.01	98.5	98.9	-0.6	-1.0	0.3	-0.9	-0.1	100.1	98.7	98.3
2013	73	1093	-278	-11.7	-12.4	0.04	-0.02	98.2	99.3	-1.1	0.1	-0.4	-1.2	0.1	99.4	99.3	98.2
2014	78	1125	-151	-11.0	-8.0	-0.03	-0.02	99.1	99.7	-0.5	-0.6	-0.1	-0.8	0.1	99.8	99.2	98.6
2015	86	1203	-252	-4.4	-8.0	0.12	0.02	99.0	99.1	0.6	0.5	0.7	0.4	0.8	99.7	99.7	99.1
2016	66	1222	-196	-9.2	-9.4	0.02	-0.02	99.2	100.1	1.2	-0.2	1.6	1.3	0.2	101.7	100.6	100.0
2017	91	1296	-175	-0.2	-3.8	0.12	0.04	100.2	100.5	2.1	1.5	1.9	1.9	1.2	101.2	99.8	99.2
2018	113	1328	3	6.0	1.6	0.09	0.02	100.0	100.0	2.3	1.3	1.4	2.2	1.9	100.8	98.9	98.7
2019	81	1366	106	7.0	3.0	0.03	-0.01	100.1	100.8	2.6	1.3	1.4	2.6	1.3	101.6	100.2	99.7
2020	90	1404	44	7.2	4.5	0.07	0.04	99.7	100.4	3.9	2.0	2.5	4.1	2.1	101.6	99.0	99.2
2021	68	1460	156	18.2	8.9	0.14	0.04	100.4	98.8	3.7	2.9	2.2	3.8	1.9	100.9	99.1	98.3

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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Lactanet Canada, August 2024

New Brunswick

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2011	100	1027	-242	-17.6	-10.2	-0.06	-0.01	99.4	98.6	-2.8	-1.9	-1.2	-2.7	-1.6	98.7	98.9	98.9
2012	96	1068	-68	-13.2	-7.8	-0.12	-0.06	100.0	99.2	-2.5	-0.8	-0.5	-2.9	-1.1	98.9	99.2	99.1
2013	101	1139	-12	-1.9	-1.9	-0.00	-0.01	100.3	99.2	-2.8	-0.9	-1.5	-3.0	-1.0	98.9	99.3	100.4
2014	99	1152	148	-4.2	0.0	-0.14	-0.07	99.0	99.2	-2.3	-1.1	-1.1	-2.4	-0.8	98.9	99.7	101.0
2015	118	1233	215	3.6	3.9	-0.09	-0.05	100.1	99.5	-1.7	-1.2	-0.8	-1.5	-1.2	99.3	100.1	100.5
2016	118	1267	247	6.4	6.7	-0.07	-0.03	100.7	100.1	-1.2	-1.0	-0.8	-1.2	-0.6	99.6	99.9	100.8
2017	105	1289	265	6.6	6.4	-0.08	-0.04	100.6	99.8	-0.2	0.1	-0.0	-0.0	-0.1	99.7	99.6	100.5
2018	153	1321	333	7.1	7.6	-0.11	-0.06	100.3	100.5	0.1	-0.2	0.2	0.3	-0.3	100.6	100.5	100.9
2019	128	1397	345	16.6	13.5	-0.01	0.00	100.0	101.3	-0.0	-0.3	-0.5	0.5	-0.6	100.8	100.6	101.4
2020	160	1412	373	17.0	11.6	-0.02	-0.03	100.6	100.6	0.6	-0.0	0.5	0.9	0.2	101.1	101.0	100.7
2021	132	1457	422	20.2	16.9	-0.01	0.01	101.0	100.9	1.0	1.1	0.6	1.1	0.8	100.9	100.6	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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Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2011	1807	1080	-336	-18.3	-13.8	-0.01	-0.01	98.5	99.0	-0.8	-0.7	0.7	-1.2	-0.1	100.0	99.4	98.9
2012	1768	1108	-283	-13.4	-11.4	0.02	-0.00	98.7	99.1	-1.2	-0.9	0.3	-1.6	-0.0	100.0	99.9	99.4
2013	1848	1168	-148	-6.8	-5.8	0.02	0.00	99.0	99.0	-0.6	-0.3	0.4	-0.9	0.4	99.8	99.5	99.9
2014	1896	1202	-121	-4.0	-4.1	0.04	0.01	99.1	99.4	-0.2	0.1	0.5	-0.6	0.3	99.9	99.8	99.9
2015	1838	1259	-59	1.4	-1.0	0.07	0.02	99.5	99.8	0.1	0.0	0.5	-0.0	-0.0	100.3	100.1	100.1
2016	1922	1285	-21	2.0	0.2	0.05	0.02	99.5	99.7	0.8	0.2	0.8	0.8	0.1	100.5	100.0	100.5
2017	1946	1335	88	6.5	4.0	0.04	0.01	100.0	100.6	1.1	0.5	1.0	0.9	0.2	100.8	100.4	100.0
2018	1947	1386	179	11.5	8.4	0.04	0.02	99.9	100.7	1.7	0.9	0.9	1.7	0.4	101.0	100.0	100.4
2019	1875	1404	228	14.2	9.7	0.04	0.01	99.5	101.0	1.5	0.4	0.5	1.8	0.2	101.1	100.4	100.9
2020	1821	1458	286	17.6	12.4	0.04	0.02	99.9	101.1	2.2	0.9	1.4	2.4	0.7	101.4	100.4	100.5
2021	1640	1509	323	24.0	15.9	0.10	0.05	100.4	101.2	2.6	1.7	1.4	2.7	1.1	101.4	100.3	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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Lactanet Canada, August 2024

Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2011	2339	1037	-459	-26.0	-19.5	-0.02	-0.02	98.0	98.5	0.2	0.6	1.7	-0.7	0.6	100.1	99.1	98.4
2012	2279	1076	-391	-20.6	-16.5	0.00	-0.02	98.4	98.6	0.1	0.4	1.5	-0.8	0.8	100.2	99.5	98.6
2013	2244	1113	-332	-17.5	-13.7	0.00	-0.01	98.4	98.5	0.5	0.7	1.5	-0.2	1.1	100.3	99.5	98.8
2014	2144	1139	-246	-15.3	-10.8	-0.02	-0.01	98.7	99.0	0.7	0.7	1.4	-0.0	1.0	100.4	99.5	99.2
2015	2279	1195	-199	-10.3	-8.1	0.01	-0.00	98.9	99.1	1.0	0.7	1.5	0.4	0.8	100.7	100.1	99.8
2016	2306	1228	-201	-9.0	-7.3	0.03	0.01	98.8	98.9	1.9	1.0	2.1	1.5	0.9	100.8	99.8	99.7
2017	2190	1266	-120	-5.8	-4.4	0.01	0.01	99.3	99.0	2.4	1.6	2.3	1.9	1.0	100.9	99.8	99.4
2018	2263	1326	-12	-0.2	-0.4	0.02	0.00	99.3	99.3	2.9	2.0	2.5	2.5	1.0	101.2	99.9	99.7
2019	2016	1366	72	3.6	2.7	0.01	0.00	99.7	99.9	2.8	1.4	2.3	2.7	0.7	101.5	100.2	100.3
2020	2050	1402	98	6.5	4.8	0.03	0.02	99.6	99.9	3.4	1.9	2.6	3.2	1.4	101.6	100.0	99.9
2021	1842	1437	160	10.0	7.4	0.03	0.02	99.8	100.0	3.7	2.4	2.7	3.5	1.5	101.8	100.2	100.1

Notes:

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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
2011	81	1024	-333	-19.4	-13.8	-0.03	-0.01	99.7	98.3	-2.4	-1.5	-0.7	-2.6	-0.9	99.1	99.1	98.6
2012	86	1074	-103	-14.3	-7.7	-0.11	-0.04	99.8	99.1	-2.4	-1.7	-1.3	-2.2	-1.7	99.3	99.4	99.6
2013	85	1099	-161	-13.7	-8.8	-0.07	-0.03	99.7	98.4	-0.9	-0.9	0.2	-0.8	-0.3	99.6	98.7	99.6
2014	98	1140	-94	-12.3	-6.4	-0.09	-0.03	99.7	99.2	0.6	0.2	0.5	0.4	0.2	100.1	98.0	99.6
2015	104	1217	-152	-5.2	-5.6	0.05	0.01	99.7	99.6	0.6	-0.1	0.9	0.2	0.2	100.5	99.9	100.3
2016	146	1257	6	-1.7	-0.7	-0.01	-0.01	100.2	100.5	0.3	-0.6	0.6	0.3	0.0	100.7	100.4	100.3
2017	130	1281	-3	-1.3	-0.4	-0.00	-0.00	99.8	99.9	1.8	1.1	1.5	1.5	0.8	100.6	99.4	98.7
2018	180	1340	118	2.2	3.9	-0.04	-0.00	100.6	100.4	1.9	0.6	1.6	2.1	0.2	101.2	100.0	100.5
2019	144	1354	108	3.0	4.1	-0.02	0.00	100.8	100.5	2.7	0.4	2.2	3.0	0.3	101.6	99.2	99.7
2020	131	1394	156	5.7	5.4	-0.02	-0.00	99.9	100.4	3.2	1.1	2.3	3.6	1.2	101.7	99.8	99.8
2021	100	1447	263	10.5	9.7	-0.03	-0.00	100.6	100.8	3.4	2.0	2.3	3.6	0.9	101.8	100.9	99.9

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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Lactanet Canada, August 2024

Saskatchewan

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2011	23	1031	-603	-34.4	-25.7	-0.03	-0.03	99.0	98.8	1.5	1.7	3.1	0.0	1.8	101.4	100.1	99.4
2012	23	955	-805	-35.8	-31.2	0.09	0.00	95.3	96.6	0.5	1.5	2.4	-0.8	2.2	99.8	100.3	99.8
2013	16	1027	-533	-26.0	-23.7	0.03	-0.04	99.6	98.0	0.6	0.5	1.4	-0.1	0.9	100.3	101.1	100.2
2014	23	1071	-482	-26.1	-18.9	-0.00	0.00	96.7	97.6	2.1	1.4	3.1	1.7	0.7	99.3	97.6	100.5
2015	32	1220	-158	-4.1	-5.8	0.06	0.01	98.8	99.3	0.3	0.1	1.0	-0.1	0.3	100.1	100.3	100.0
2016	39	1280	63	-1.6	-1.0	-0.04	-0.04	99.5	100.2	1.1	1.2	1.1	0.6	1.7	100.4	101.0	100.6
2017	47	1305	-65	-2.1	-2.9	0.03	0.00	100.7	100.6	1.1	0.1	1.1	1.1	0.6	101.5	101.5	101.1
2018	35	1372	-35	-3.0	-0.3	-0.01	0.02	99.2	100.2	3.9	2.0	3.5	3.5	0.3	101.9	100.7	100.6
2019	42	1348	-248	-3.9	-6.5	0.13	0.04	99.0	99.2	4.0	2.7	3.7	3.7	0.4	102.0	100.6	100.4
2020	23	1364	52	1.4	0.3	-0.02	-0.02	99.3	99.0	3.6	1.2	2.7	3.9	0.0	101.5	100.1	101.2
2021	38	1406	146	9.8	6.1	0.03	0.01	99.4	99.9	3.3	3.2	2.4	2.3	2.6	100.8	101.0	99.2

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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Alberta

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2011	218	1041	-381	-23.1	-16.7	-0.04	-0.02	97.1	98.4	-0.3	0.1	1.0	-1.0	-0.1	99.5	99.2	98.8
2012	225	1079	-353	-20.6	-15.4	-0.02	-0.02	97.6	98.5	-0.2	-0.2	1.3	-1.0	0.5	100.3	100.0	99.3
2013	215	1126	-254	-14.5	-11.3	-0.01	-0.02	98.4	98.7	0.3	0.4	1.1	-0.4	0.0	100.0	99.5	99.2
2014	273	1117	-220	-16.5	-11.1	-0.06	-0.03	98.3	99.5	-0.0	-0.3	0.8	-0.5	0.1	100.4	99.7	99.2
2015	269	1207	-176	-11.6	-7.7	-0.03	-0.01	98.7	99.7	1.3	0.7	1.7	0.7	0.4	101.1	100.7	99.9
2016	287	1222	-72	-7.8	-4.2	-0.04	-0.02	98.9	99.3	0.9	0.3	1.3	0.6	-0.4	100.5	100.1	99.6
2017	312	1297	22	-2.3	-0.3	-0.03	-0.01	99.7	99.8	2.4	1.0	2.1	2.0	0.4	101.0	99.7	99.4
2018	309	1341	32	2.4	1.5	0.02	0.01	99.5	99.8	2.8	1.3	2.3	2.7	0.7	101.2	99.5	99.5
2019	273	1377	52	2.9	2.3	0.01	0.01	99.7	100.6	3.3	1.2	2.4	3.4	0.7	102.0	100.2	100.1
2020	329	1418	185	9.3	7.6	0.01	0.01	99.8	100.0	3.2	1.3	2.3	3.4	0.9	101.5	99.7	99.7
2021	309	1473	275	16.2	12.4	0.04	0.03	100.3	100.3	3.3	1.7	2.1	3.3	1.1	101.5	99.7	99.4

Notes:

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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
2011	380	1035	-58	-18.6	-8.7	-0.19	-0.08	99.3	99.1	-2.7	-1.7	-1.0	-2.5	-1.6	99.1	99.5	99.6
2012	375	1082	-3	-12.8	-6.4	-0.15	-0.08	99.8	99.1	-2.1	-0.9	-0.8	-2.2	-1.2	99.2	99.4	99.9
2013	375	1152	87	-5.6	-1.4	-0.12	-0.06	99.8	99.3	-1.8	-0.9	-0.7	-1.9	-0.6	99.4	99.6	100.2
2014	346	1171	138	-4.3	0.8	-0.14	-0.05	99.8	99.7	-1.9	-1.1	-1.0	-1.7	-0.9	99.4	99.9	100.5
2015	384	1227	229	1.6	5.7	-0.12	-0.03	99.7	100.0	-1.6	-1.2	-1.1	-1.3	-1.0	99.4	99.6	100.6
2016	378	1257	215	2.7	5.1	-0.10	-0.04	100.1	100.5	-0.8	-1.0	-0.6	-0.4	-0.8	99.8	99.9	100.6
2017	382	1316	358	8.5	10.4	-0.11	-0.04	100.5	100.2	-0.2	-0.1	-0.4	-0.1	-0.4	99.7	99.9	100.4
2018	382	1369	389	13.1	12.9	-0.08	-0.02	100.9	100.2	0.6	0.1	0.0	0.9	-0.6	100.1	99.5	100.4
2019	404	1389	388	14.9	13.8	-0.05	-0.01	100.4	100.6	0.6	-0.2	-0.2	1.1	-0.4	100.3	99.8	101.1
2020	387	1421	424	18.8	15.9	-0.03	0.00	100.2	99.9	1.3	0.8	0.3	1.6	0.2	99.8	99.4	100.3
2021	327	1490	563	25.1	20.1	-0.04	-0.01	101.0	100.2	1.8	1.3	0.7	2.0	0.5	100.4	99.9	100.6

Notes:

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2. Production in kg EBV units and conformation in EBV points.
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Lactanet Canada, August 2024

Newfoundland

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2011	1	1083	-841	-17.0	-19.0	0.36	0.19	99.0	99.0	0.0	6.0	1.0	-3.0	3.0	99.0	101.0	99.0
2012	1	1096	-437	-37.0	-24.0	-0.20	-0.09	98.0	100.0	4.0	2.0	0.0	4.0	4.0	107.0	102.0	105.0
2013	1	1209	-85	1.0	-7.0	0.19	-0.01	99.0	102.0	-1.0	1.0	0.0	-1.0	-1.0	99.0	101.0	.
2015	1	1377	-64	4.0	5.0	0.10	0.09	97.0	102.0	0.0	3.0	-6.0	2.0	-1.0	104.0	107.0	105.0
2016	1	1316	216	-6.0	8.0	-0.22	0.00	100.0	100.0	0.0	4.0	-4.0	0.0	0.0	102.0	107.0	104.0
2017	1	1573	-217	37.0	14.0	0.63	0.30	93.0	104.0	0.0	1.0	-5.0	3.0	-1.0	101.0	105.0	.
2018	2	1297	261	-10.5	6.5	-0.31	-0.05	100.0	100.0	4.0	4.0	1.0	4.0	1.5	101.0	99.0	101.0
2019	1	1410	181	-1.0	6.0	-0.14	-0.02	99.0	102.0	2.0	-1.0	2.0	3.0	2.0	105.0	102.0	107.0
2020	2	1366	397	2.5	17.5	-0.21	0.04	98.5	100.5	2.0	3.5	-1.0	2.5	-0.5	100.0	100.0	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.