

Provincial genetic trends by birth year for Jersey cows
Lactanet Canada, August 2023

Prince Edward Island

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2010	6	1152	59	-5.0	1.3	-0.10	-0.01	99.3	98.0	0.7	-0.3	2.2	0.3	0.5	98.7	95.5	98.2
2011	9	1134	58	-5.6	0.4	-0.10	-0.02	100.7	99.0	-0.2	-1.4	2.0	0.1	-0.1	98.9	95.1	99.2
2012	10	1149	134	0.4	1.7	-0.08	-0.05	102.0	97.2	-2.9	-0.2	-0.6	-4.2	0.3	98.7	101.1	100.2
2013	6	956	-283	-14.5	-11.3	0.01	-0.00	96.7	98.3	-2.5	0.2	-3.3	-2.5	-1.8	97.3	98.2	98.8
2014	10	1098	-97	-13.8	-8.9	-0.11	-0.07	98.5	97.8	1.2	0.6	2.0	0.4	0.8	99.0	97.9	97.2
2015	22	1261	-98	2.5	-2.1	0.11	0.03	98.0	98.8	1.8	1.6	2.1	0.7	0.9	100.2	99.9	100.4
2016	24	1224	-296	-8.3	-11.3	0.10	0.00	98.3	99.6	3.3	2.0	3.6	2.4	1.6	101.7	99.9	100.3
2017	31	1323	-31	8.5	1.1	0.14	0.03	99.0	100.4	1.6	0.4	1.3	1.7	0.0	101.3	100.7	100.8
2018	57	1342	328	8.6	8.3	-0.10	-0.05	99.9	100.2	1.8	1.0	1.4	1.8	0.8	101.1	100.4	100.1
2019	49	1406	218	17.0	10.6	0.08	0.03	99.4	101.8	2.1	1.2	1.0	2.1	1.0	101.5	100.6	101.4
2020	48	1380	194	10.5	6.9	0.02	-0.00	100.6	100.6	3.5	1.9	1.9	3.5	1.7	101.6	99.7	99.8

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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Nova Scotia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2010	61	1054	-254	-19.7	-13.2	-0.08	-0.04	99.7	99.0	-0.3	-0.6	0.8	-0.6	0.5	100.4	99.4	98.4
2011	58	1023	-371	-20.8	-16.3	-0.01	-0.03	97.9	98.6	-0.3	-0.2	0.9	-0.5	-0.3	100.2	98.8	98.7
2012	68	1047	-397	-15.3	-16.0	0.07	-0.01	98.6	99.3	-0.5	-0.9	0.3	-0.6	-0.0	100.2	98.7	98.5
2013	73	1093	-201	-8.4	-9.5	0.03	-0.02	98.4	99.5	-1.0	0.2	-0.5	-1.1	0.2	99.7	99.3	98.4
2014	78	1125	-83	-8.1	-5.5	-0.04	-0.03	99.2	99.8	-0.4	-0.5	-0.1	-0.6	0.2	100.1	99.3	98.8
2015	86	1202	-185	-1.4	-5.4	0.11	0.02	99.2	99.4	0.7	0.6	0.7	0.5	0.8	99.8	99.9	99.2
2016	63	1218	-125	-6.2	-6.9	0.01	-0.03	99.1	100.4	1.4	0.1	1.6	1.4	0.3	101.8	100.6	100.0
2017	86	1297	-135	2.6	-1.7	0.14	0.05	100.1	100.8	2.5	1.8	2.1	2.2	1.5	101.4	99.9	99.6
2018	111	1340	81	9.5	4.9	0.08	0.03	100.2	100.4	2.7	1.6	1.6	2.5	2.2	101.1	99.3	99.1
2019	77	1373	142	9.8	5.6	0.04	0.00	100.3	101.2	2.9	1.6	1.5	3.0	1.6	101.8	100.6	99.6
2020	78	1393	46	8.6	4.7	0.09	0.04	99.8	100.3	4.2	2.4	2.5	4.4	1.9	101.9	99.7	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.
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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
2010	81	999	-170	-16.8	-11.1	-0.09	-0.06	99.5	98.9	-2.8	-0.9	-0.3	-3.5	-1.4	99.1	99.3	99.3
2011	100	1025	-169	-14.5	-7.5	-0.07	-0.01	99.6	98.9	-2.6	-1.8	-1.1	-2.5	-1.4	98.8	98.8	99.0
2012	95	1063	5	-10.5	-5.2	-0.13	-0.07	100.2	99.5	-2.4	-0.7	-0.4	-2.8	-0.9	99.2	99.2	99.4
2013	101	1137	55	1.2	0.8	-0.01	-0.01	100.4	99.4	-2.8	-0.9	-1.4	-2.9	-0.9	98.9	99.4	100.5
2014	98	1151	211	-1.3	2.6	-0.15	-0.07	99.2	99.4	-2.3	-1.2	-1.1	-2.2	-0.7	99.0	99.9	101.3
2015	118	1237	289	7.2	6.9	-0.09	-0.05	100.3	99.8	-1.6	-1.2	-0.7	-1.3	-1.3	99.6	100.1	100.6
2016	116	1267	304	9.1	9.1	-0.07	-0.03	100.8	100.2	-0.9	-0.9	-0.6	-0.9	-0.6	99.8	99.9	100.9
2017	100	1295	336	9.7	9.0	-0.09	-0.04	100.9	100.0	0.3	0.2	0.3	0.5	-0.1	99.9	99.5	100.7
2018	137	1324	384	10.1	10.1	-0.11	-0.06	100.2	100.6	0.5	0.1	0.3	0.8	-0.1	100.8	100.5	101.2
2019	125	1389	415	19.3	15.9	-0.02	0.00	100.2	101.6	0.2	-0.0	-0.4	0.6	-0.6	100.7	100.6	101.5
2020	116	1418	437	20.3	14.7	-0.02	-0.02	100.6	101.0	1.2	0.5	0.5	1.5	0.4	101.3	101.0	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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Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2010	1703	1036	-273	-18.9	-12.3	-0.06	-0.02	98.5	98.9	-1.3	-1.0	0.2	-1.6	-0.4	100.0	99.3	98.9
2011	1804	1080	-260	-14.9	-10.9	-0.01	-0.01	98.6	99.2	-0.6	-0.6	0.7	-1.0	0.0	100.2	99.4	99.0
2012	1763	1108	-207	-10.1	-8.6	0.02	-0.00	98.9	99.3	-1.1	-0.8	0.3	-1.4	0.1	100.2	99.9	99.6
2013	1845	1170	-73	-3.4	-2.9	0.01	0.00	99.2	99.2	-0.4	-0.2	0.4	-0.7	0.5	99.9	99.6	100.1
2014	1887	1204	-45	-0.6	-1.2	0.03	0.01	99.2	99.6	-0.1	0.1	0.6	-0.4	0.4	100.0	99.8	100.0
2015	1818	1264	16	5.0	2.0	0.06	0.02	99.7	100.0	0.3	0.1	0.6	0.2	0.0	100.4	100.2	100.2
2016	1908	1288	56	5.6	3.2	0.04	0.02	99.7	99.9	1.0	0.3	0.9	1.0	0.1	100.7	100.1	100.8
2017	1922	1336	161	10.0	6.9	0.03	0.01	100.2	100.7	1.2	0.6	1.0	1.1	0.3	100.9	100.5	100.2
2018	1900	1388	261	15.2	11.6	0.03	0.02	100.1	101.0	1.8	1.0	0.9	1.8	0.5	101.2	100.1	100.6
2019	1772	1400	296	17.7	12.5	0.04	0.02	99.8	101.4	1.6	0.6	0.4	2.0	0.1	101.1	100.4	101.2
2020	1625	1458	363	22.2	15.5	0.05	0.02	100.3	101.5	2.3	1.1	1.2	2.5	0.5	101.4	100.4	100.5

Notes:

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2. Production in kg EBV units and conformation in EBV points.
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Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2010	2282	1006	-396	-25.0	-18.0	-0.05	-0.04	98.5	98.6	-0.3	0.2	1.4	-1.2	0.3	100.2	99.5	98.7
2011	2336	1038	-383	-22.5	-16.6	-0.03	-0.02	98.2	98.8	0.3	0.6	1.7	-0.6	0.7	100.3	99.2	98.5
2012	2276	1078	-316	-17.2	-13.6	-0.00	-0.02	98.6	98.9	0.2	0.5	1.5	-0.6	0.9	100.4	99.5	98.7
2013	2235	1116	-256	-14.1	-10.9	-0.00	-0.01	98.6	98.8	0.7	0.8	1.5	-0.1	1.2	100.4	99.6	99.0
2014	2140	1141	-170	-11.9	-7.9	-0.03	-0.01	98.8	99.2	0.8	0.7	1.4	0.1	1.1	100.5	99.6	99.4
2015	2263	1197	-126	-6.8	-5.2	0.01	-0.00	99.1	99.4	1.2	0.8	1.6	0.6	0.9	100.9	100.2	99.9
2016	2292	1231	-129	-5.5	-4.4	0.02	0.01	99.0	99.2	2.0	1.1	2.1	1.6	1.0	101.0	99.9	99.9
2017	2162	1271	-47	-2.4	-1.5	0.01	0.01	99.4	99.2	2.6	1.7	2.4	2.1	1.1	101.0	100.0	99.7
2018	2193	1329	67	3.7	2.8	0.01	0.01	99.5	99.6	3.0	2.1	2.4	2.7	1.2	101.3	100.0	99.8
2019	1901	1366	141	7.3	5.6	0.01	0.01	99.9	100.2	3.0	1.6	2.2	2.8	0.9	101.6	100.4	100.4
2020	1861	1406	170	10.7	7.9	0.03	0.02	99.9	100.2	3.5	2.2	2.5	3.4	1.4	101.7	100.3	99.9

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Manitoba

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2010	80	986	-170	-15.2	-9.9	-0.07	-0.04	101.0	98.8	-3.1	-2.4	-1.6	-2.7	-2.3	98.6	98.5	98.0
2011	81	1024	-258	-16.0	-11.0	-0.03	-0.01	99.7	98.5	-2.3	-1.5	-0.8	-2.4	-0.8	99.3	99.1	98.6
2012	86	1076	-28	-10.9	-4.8	-0.11	-0.05	99.9	99.3	-2.3	-1.6	-1.3	-2.0	-1.5	99.5	99.5	99.7
2013	83	1099	-80	-9.7	-5.9	-0.07	-0.03	99.9	98.6	-0.8	-0.9	0.1	-0.7	-0.2	99.6	98.8	99.6
2014	96	1136	-12	-9.5	-3.6	-0.10	-0.03	99.8	99.5	0.8	0.3	0.5	0.7	0.3	100.1	97.9	99.6
2015	103	1220	-82	-1.8	-2.8	0.04	0.01	99.8	99.9	0.7	-0.1	0.9	0.4	0.2	100.6	100.0	100.4
2016	140	1252	62	0.9	1.7	-0.02	-0.00	100.4	100.6	0.5	-0.5	0.7	0.5	0.1	100.9	100.5	100.3
2017	126	1283	47	2.2	1.8	0.01	0.00	100.0	100.1	1.9	1.2	1.5	1.8	0.9	100.8	99.6	98.8
2018	174	1344	200	6.5	7.2	-0.04	-0.00	100.7	100.7	1.9	0.6	1.4	2.2	0.2	101.3	100.1	100.5
2019	124	1345	170	5.6	6.6	-0.03	0.00	100.8	101.0	2.8	0.6	2.2	3.2	0.6	101.5	99.1	100.1
2020	91	1403	199	10.6	8.1	0.01	0.01	100.3	100.8	3.5	1.6	2.2	4.0	1.1	101.9	99.8	99.1

Notes:

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Saskatchewan

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2010	28	976	-516	-28.9	-20.8	-0.02	-0.01	98.6	98.1	-0.1	-0.2	1.7	-0.7	0.2	100.5	99.3	99.2
2011	23	1027	-531	-31.4	-23.1	-0.04	-0.03	99.2	99.1	1.7	1.6	3.0	0.5	1.9	101.5	100.0	99.4
2012	23	962	-727	-32.3	-28.3	0.08	-0.00	95.4	96.9	0.7	1.5	2.3	-0.6	2.3	100.0	100.4	100.0
2013	16	1035	-444	-22.2	-20.7	0.02	-0.04	99.9	98.3	0.9	0.6	1.5	0.1	0.9	100.4	101.1	100.3
2014	23	1066	-413	-23.2	-16.3	-0.01	-0.00	97.2	97.9	2.3	1.3	3.0	1.9	0.8	99.4	97.5	100.5
2015	30	1208	-165	-4.2	-5.8	0.07	0.01	99.2	99.3	0.8	0.1	1.4	0.3	0.5	100.4	100.3	99.9
2016	38	1284	115	1.9	1.1	-0.03	-0.04	99.9	100.6	1.3	1.3	1.4	0.9	1.9	100.7	100.9	100.3
2017	47	1297	-7	0.0	-0.8	0.02	-0.00	100.7	100.8	1.2	0.0	1.0	1.2	0.7	101.5	101.7	101.4
2018	34	1373	96	2.6	4.1	-0.03	0.01	99.8	100.4	3.7	2.1	3.4	3.5	0.4	101.8	100.6	100.3
2019	41	1342	-191	-0.4	-4.0	0.14	0.05	99.1	99.7	4.0	2.8	3.6	3.9	0.4	101.8	100.4	100.5
2020	23	1356	99	2.3	2.4	-0.03	-0.02	100.2	98.7	4.2	2.3	3.1	4.5	0.5	101.2	100.2	99.8

Notes:

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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
2010	217	1014	-290	-21.9	-14.6	-0.08	-0.04	97.8	98.9	-1.1	-0.8	0.5	-1.6	-0.1	100.3	99.3	99.1
2011	218	1042	-303	-19.6	-13.7	-0.04	-0.03	97.3	98.7	-0.2	0.1	1.0	-0.8	0.0	99.6	99.3	99.0
2012	224	1080	-284	-17.3	-12.6	-0.03	-0.02	97.8	98.8	-0.0	-0.1	1.3	-0.8	0.7	100.4	100.0	99.5
2013	215	1130	-175	-10.9	-8.3	-0.01	-0.02	98.5	99.0	0.4	0.5	1.1	-0.2	0.2	100.2	99.6	99.5
2014	271	1115	-147	-13.1	-8.2	-0.06	-0.03	98.5	99.8	0.1	-0.2	0.8	-0.4	0.3	100.4	99.7	99.4
2015	267	1210	-103	-8.0	-4.9	-0.03	-0.01	98.9	100.0	1.5	0.9	1.7	1.0	0.5	101.2	100.8	100.1
2016	285	1224	-2	-4.5	-1.4	-0.05	-0.01	99.1	99.6	1.1	0.4	1.3	0.8	-0.3	100.6	100.4	99.8
2017	304	1300	87	1.0	2.3	-0.04	-0.01	99.9	99.9	2.7	1.1	2.3	2.3	0.5	101.1	99.7	99.5
2018	291	1347	126	6.5	5.3	0.01	0.01	99.8	100.1	3.0	1.4	2.2	2.9	0.8	101.2	99.6	99.7
2019	260	1384	133	7.8	6.0	0.02	0.01	100.0	100.9	3.5	1.5	2.3	3.7	0.7	102.0	100.2	100.1
2020	276	1415	258	13.0	10.4	0.01	0.01	100.3	100.2	3.4	1.6	2.2	3.6	0.8	101.5	99.8	99.6

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
2010	335	996	-80	-16.0	-8.8	-0.15	-0.07	99.9	99.1	-3.4	-2.3	-1.4	-3.1	-2.3	98.8	99.1	99.9
2011	380	1035	17	-15.3	-5.9	-0.20	-0.08	99.5	99.3	-2.5	-1.7	-0.9	-2.3	-1.5	99.2	99.4	99.7
2012	375	1082	70	-9.5	-3.6	-0.16	-0.08	99.8	99.4	-2.0	-0.9	-0.8	-2.1	-1.1	99.3	99.4	100.0
2013	373	1153	162	-2.3	1.5	-0.13	-0.06	100.1	99.6	-1.7	-0.9	-0.6	-1.8	-0.5	99.5	99.7	100.4
2014	346	1171	212	-1.1	3.6	-0.14	-0.06	99.9	100.0	-1.7	-1.1	-1.0	-1.6	-0.8	99.5	100.0	100.7
2015	383	1230	303	5.1	8.6	-0.12	-0.03	99.9	100.2	-1.5	-1.2	-1.1	-1.1	-0.9	99.4	99.8	100.8
2016	371	1260	287	6.1	8.0	-0.10	-0.04	100.3	100.8	-0.6	-0.9	-0.6	-0.2	-0.8	100.0	100.0	100.7
2017	376	1314	436	11.5	13.2	-0.13	-0.04	100.7	100.4	-0.1	-0.0	-0.3	0.1	-0.3	99.8	100.0	100.5
2018	380	1370	472	16.8	16.1	-0.08	-0.02	101.1	100.5	0.7	0.2	-0.0	1.1	-0.5	100.1	99.6	100.7
2019	390	1387	459	18.2	16.6	-0.06	-0.01	100.6	100.9	0.7	-0.0	-0.1	1.1	-0.5	100.3	99.9	101.6
2020	345	1445	527	24.8	20.3	-0.02	0.01	100.7	100.3	1.3	0.7	0.3	1.8	-0.1	99.9	99.6	100.2

Notes:

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Lactanet Canada, August 2023

Newfoundland

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2011	1	1071	-761	-14.0	-16.0	0.36	0.19	99.0	99.0	0.0	5.0	1.0	-3.0	3.0	98.0	101.0	99.0
2012	1	1104	-344	-34.0	-21.0	-0.21	-0.10	98.0	101.0	4.0	2.0	0.0	4.0	4.0	107.0	103.0	105.0
2013	1	1207	-1	5.0	-4.0	0.18	-0.01	100.0	102.0	-1.0	1.0	0.0	-1.0	-1.0	99.0	101.0	.
2015	1	1372	7	7.0	7.0	0.09	0.09	97.0	102.0	0.0	3.0	-6.0	2.0	-1.0	103.0	108.0	105.0
2016	1	1301	254	-6.0	9.0	-0.25	-0.01	100.0	100.0	0.0	3.0	-4.0	0.0	0.0	102.0	108.0	104.0
2017	1	1554	-134	41.0	17.0	0.63	0.29	93.0	104.0	1.0	1.0	-5.0	3.0	0.0	101.0	104.0	.
2018	2	1308	360	-6.5	10.0	-0.32	-0.06	100.5	100.0	4.0	4.0	1.0	4.0	1.5	101.5	100.0	101.0
2019	1	1407	259	1.0	8.0	-0.16	-0.03	99.0	102.0	2.0	-1.0	2.0	3.0	2.0	105.0	103.0	106.0
2020	2	1379	558	8.0	22.0	-0.22	0.01	99.5	101.0	2.0	3.0	-1.0	2.5	0.0	99.5	101.0	102.0

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.