

**Provincial genetic trends by birth year for Jersey cows**  
**Lactanet Canada, August 2019**

**Prince Edward Island**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2006	7	995	-296	-5.9	-9.3	0.14	0.03	97.3	100.1	-0.4	-1.7	0.3	0.0	0.1	101.3	98.1	99.3
2007	8	995	-224	-6.8	-7.0	0.07	0.02	98.4	98.5	0.3	1.6	0.5	0.0	-1.1	99.5	98.6	100.4
2008	11	1030	308	-2.3	3.6	-0.23	-0.10	98.8	98.4	-0.3	-0.8	-0.6	-0.1	-0.6	99.2	98.1	98.6
2009	6	942	-150	-11.0	-6.8	-0.05	-0.02	99.3	100.8	0.2	-0.7	-0.8	0.5	0.8	100.0	96.8	95.7
2010	6	1200	327	10.3	12.7	-0.08	0.01	100.0	99.0	1.2	0.2	2.0	1.5	0.8	99.2	95.8	98.3
2011	9	1173	297	9.4	11.2	-0.08	0.00	101.2	99.9	0.6	-0.9	1.9	1.0	0.3	99.2	95.3	99.2
2012	9	1163	373	12.8	11.8	-0.08	-0.03	102.0	97.4	-1.4	0.2	-0.1	-2.2	0.7	99.2	101.4	101.1
2013	5	976	98	1.8	3.6	-0.04	0.00	98.0	99.2	-1.4	0.0	-3.2	-1.2	-2.8	97.2	94.3	99.3
2014	8	1098	-51	-5.4	-4.5	-0.03	-0.03	98.4	97.9	3.4	2.5	3.3	2.8	2.3	99.9	98.0	97.0
2015	17	1267	223	13.4	9.1	0.03	0.01	99.2	100.1	2.2	1.4	1.8	1.9	0.9	101.2	101.4	100.7
2016	15	1159	-230	-2.5	-6.4	0.14	0.03	99.1	100.8	3.9	3.1	3.1	3.5	2.7	102.3	100.8	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
2006	36	883	-277	-18.3	-15.8	-0.06	-0.07	99.9	100.5	-1.1	-0.4	0.4	-1.7	-0.6	100.3	99.3	98.4
2007	48	893	-175	-18.8	-11.5	-0.13	-0.07	99.6	99.7	-0.5	0.0	-0.1	-1.0	0.0	100.5	99.1	98.9
2008	57	976	-88	-6.6	-5.6	-0.02	-0.03	99.5	98.8	-1.0	-0.1	-0.7	-1.0	-0.8	99.8	99.8	98.5
2009	50	948	-224	-11.3	-10.6	0.01	-0.03	98.8	100.0	-0.5	-0.7	-0.8	-0.2	-0.8	100.1	99.5	98.5
2010	58	1063	-33	-4.5	-2.6	-0.03	-0.02	100.2	99.5	0.7	-0.1	0.8	0.8	0.9	100.9	99.5	99.1
2011	56	1027	-109	-5.3	-5.1	0.02	-0.01	98.6	99.4	0.6	0.3	0.7	0.5	-0.3	100.5	99.1	99.1
2012	67	1058	-158	-0.8	-5.0	0.10	0.01	99.3	100.2	0.4	-0.4	0.2	0.6	0.1	100.6	99.1	98.8
2013	69	1108	46	6.4	1.9	0.06	0.00	98.9	100.4	-0.1	0.8	-0.6	0.0	0.3	100.2	99.8	99.1
2014	72	1151	158	7.5	5.8	0.00	0.00	100.0	101.1	0.3	-0.2	-0.0	0.5	0.3	100.8	99.9	98.9
2015	79	1230	56	15.7	6.1	0.18	0.06	100.0	100.1	1.4	1.1	0.7	1.5	0.7	100.2	100.0	99.4
2016	57	1227	113	8.6	4.4	0.04	0.00	100.3	101.1	2.2	0.6	1.6	2.6	0.6	101.9	100.8	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.

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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
2006	83	831	-268	-18.7	-13.8	-0.06	-0.05	100.0	99.5	-2.1	-1.1	-0.9	-2.8	-0.6	99.7	99.8	99.2
2007	96	884	-258	-17.3	-11.3	-0.05	-0.02	99.5	99.9	-1.9	-0.9	-0.3	-2.3	-0.5	100.3	99.9	99.4
2008	91	909	-38	-10.3	-6.2	-0.10	-0.06	100.4	99.0	-2.3	-1.4	-1.4	-2.3	-1.5	99.5	99.9	98.6
2009	89	958	37	-6.9	-1.5	-0.11	-0.04	101.3	100.0	-2.3	-1.7	-1.4	-2.3	-0.9	99.6	99.9	99.3
2010	79	1003	64	-2.0	-0.4	-0.06	-0.03	100.1	99.8	-1.7	-0.2	-0.5	-2.2	-1.1	99.6	99.6	99.2
2011	95	1041	47	-0.5	2.8	-0.03	0.02	100.4	99.7	-1.2	-1.4	-0.9	-1.0	-1.0	99.5	99.0	99.0
2012	91	1064	224	2.7	4.9	-0.11	-0.05	100.7	100.4	-1.3	-0.2	-0.5	-1.6	-0.7	99.5	99.6	99.4
2013	93	1138	217	13.6	9.7	0.04	0.02	101.0	100.3	-1.8	-0.3	-1.3	-1.8	-0.8	99.4	99.7	100.4
2014	87	1164	392	12.8	12.4	-0.08	-0.03	100.2	100.3	-1.0	-0.6	-0.8	-1.0	-0.5	99.6	99.9	101.2
2015	103	1286	510	24.2	18.7	-0.02	-0.01	101.1	100.7	-0.4	-0.3	-0.5	0.1	-1.0	99.9	100.1	100.6
2016	96	1306	546	24.7	19.6	-0.03	-0.01	101.6	100.9	0.3	-0.1	-0.3	0.5	-0.4	100.2	100.4	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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**Lactanet Canada, August 2019**

**Quebec**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2006	1106	896	-300	-17.7	-13.4	-0.03	-0.03	99.0	99.3	-0.5	0.7	0.6	-1.4	0.1	100.2	99.8	99.5
2007	1294	911	-268	-15.3	-11.4	-0.02	-0.01	98.9	99.3	-0.7	0.2	-0.3	-1.1	0.2	100.1	99.7	98.3
2008	1360	942	-175	-12.9	-8.8	-0.05	-0.03	99.1	99.7	-0.5	0.0	-0.4	-0.7	-0.2	100.2	99.7	98.4
2009	1494	993	-98	-7.2	-4.9	-0.02	-0.01	99.4	99.7	-0.3	-0.1	-0.3	-0.5	0.4	100.1	99.7	98.5
2010	1684	1032	-43	-4.7	-1.9	-0.03	-0.00	99.2	99.8	-0.3	-0.4	0.0	-0.3	-0.1	100.3	99.6	99.2
2011	1777	1078	-34	-1.0	-0.7	0.02	0.01	99.4	100.1	0.3	-0.0	0.5	0.2	0.3	100.6	99.6	99.2
2012	1709	1113	20	4.0	1.8	0.05	0.02	99.6	100.2	-0.1	-0.3	0.2	-0.2	0.3	100.7	100.3	99.9
2013	1772	1186	161	11.0	7.7	0.04	0.02	99.9	100.1	0.5	0.4	0.4	0.4	0.7	100.4	100.1	100.4
2014	1767	1231	194	14.6	9.7	0.07	0.03	99.9	100.5	0.9	0.8	0.7	0.8	0.5	100.6	100.3	100.5
2015	1648	1295	251	19.7	12.7	0.10	0.05	100.4	100.9	1.4	0.8	0.9	1.4	0.4	101.1	100.7	100.9
2016	1538	1323	305	20.9	14.7	0.08	0.04	100.6	100.8	1.8	1.0	1.2	2.0	0.4	101.1	100.7	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
2006	1982	889	-286	-18.4	-13.7	-0.05	-0.04	99.1	99.0	-0.6	0.4	0.8	-1.5	0.2	100.2	99.7	99.4
2007	2130	911	-288	-17.6	-13.3	-0.03	-0.03	99.2	99.3	-0.2	0.3	0.5	-0.9	0.6	100.7	99.9	98.7
2008	2144	934	-242	-15.7	-11.4	-0.04	-0.03	99.1	99.4	-0.1	0.3	0.6	-0.6	0.3	100.6	99.8	98.4
2009	2261	983	-190	-11.5	-8.2	-0.02	-0.01	99.4	99.6	0.2	0.4	0.8	-0.3	0.6	100.6	99.7	98.6
2010	2268	1001	-153	-10.3	-7.2	-0.03	-0.02	99.1	99.4	0.6	0.8	1.1	0.1	0.6	100.6	99.6	98.9
2011	2307	1039	-140	-7.9	-5.8	-0.00	-0.00	98.9	99.7	1.2	1.2	1.5	0.7	1.0	100.7	99.4	98.6
2012	2249	1082	-76	-2.9	-3.0	0.02	0.00	99.3	99.9	1.1	1.0	1.3	0.7	1.1	100.8	99.9	98.9
2013	2165	1124	-17	0.4	-0.1	0.03	0.01	99.3	99.7	1.5	1.3	1.5	1.1	1.5	100.9	100.0	99.2
2014	2045	1157	56	3.0	2.7	0.01	0.01	99.5	100.1	1.7	1.3	1.4	1.4	1.4	101.0	100.0	99.6
2015	2138	1218	124	8.5	5.8	0.04	0.02	99.7	100.3	2.1	1.4	1.6	1.9	1.2	101.4	100.6	100.3
2016	2009	1256	109	9.9	6.4	0.07	0.03	99.6	100.1	2.9	1.9	2.3	2.8	1.4	101.5	100.5	100.3

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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**Manitoba**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2006	102	883	-5	-10.9	-4.1	-0.14	-0.05	100.8	98.7	-3.1	-1.1	-1.6	-3.5	-1.8	98.6	99.7	100.3
2007	91	882	-131	-14.3	-7.6	-0.10	-0.03	99.7	99.4	-3.1	-1.6	-1.7	-3.3	-1.5	99.6	100.1	100.1
2008	83	947	25	-3.9	-1.0	-0.06	-0.02	100.3	100.0	-3.0	-1.3	-2.0	-2.9	-1.7	99.2	99.3	99.1
2009	88	963	-11	-7.3	-1.8	-0.08	-0.02	99.8	99.4	-1.9	-1.7	-1.4	-1.7	-1.2	100.0	99.9	99.1
2010	80	995	62	-1.2	0.6	-0.05	-0.02	101.4	99.7	-2.0	-1.9	-1.7	-1.4	-1.8	99.2	98.8	98.1
2011	77	1038	-6	-0.5	0.7	0.00	0.01	100.4	99.5	-1.3	-0.8	-0.9	-1.2	-0.6	99.7	99.5	98.6
2012	78	1077	191	3.7	5.2	-0.07	-0.02	100.3	100.1	-1.3	-1.1	-1.5	-0.9	-1.3	99.8	100.0	99.4
2013	71	1115	148	4.4	4.7	-0.04	-0.01	100.5	99.6	-0.1	-0.3	-0.1	0.3	-0.1	99.9	99.1	99.2
2014	65	1187	289	8.6	9.4	-0.07	-0.01	101.5	100.1	1.5	0.8	0.8	1.6	0.4	100.0	98.0	99.7
2015	60	1284	240	17.5	11.4	0.08	0.04	101.3	100.9	1.8	0.7	0.9	1.9	0.3	100.9	99.7	100.7
2016	58	1307	323	19.1	13.2	0.05	0.02	100.3	101.3	1.8	0.3	0.8	2.1	0.6	101.8	101.9	101.3

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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**Saskatchewan**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2006	28	829	-545	-31.5	-22.6	-0.05	-0.03	99.3	99.2	-0.2	0.0	1.6	-0.9	0.9	101.3	100.6	99.8
2007	32	862	-475	-28.2	-19.5	-0.05	-0.02	98.8	97.7	1.2	1.3	2.2	-0.1	1.3	100.2	99.6	98.4
2008	41	851	-428	-24.6	-19.0	-0.03	-0.04	99.0	99.5	-0.1	0.4	0.9	-0.8	0.2	100.5	100.3	98.5
2009	21	955	-434	-15.9	-14.7	0.10	0.03	100.5	99.1	0.5	0.1	1.7	0.3	0.5	100.5	100.4	98.3
2010	28	967	-238	-14.1	-9.3	-0.02	-0.00	99.2	98.9	0.8	0.3	1.3	0.3	0.5	100.9	99.6	98.9
2011	23	1020	-276	-16.9	-11.9	-0.02	-0.02	99.7	99.8	2.3	1.8	2.8	1.7	2.0	102.1	100.0	100.0
2012	22	931	-529	-19.4	-18.7	0.12	0.02	96.0	97.9	1.5	2.3	2.3	0.7	2.4	100.5	100.2	99.5
2013	15	1011	-216	-9.1	-10.7	0.04	-0.03	100.4	99.3	1.1	0.8	1.2	0.9	1.5	101.1	102.2	100.6
2014	22	1099	-199	-8.8	-6.1	0.03	0.02	97.9	99.1	3.4	2.2	3.2	3.3	1.4	100.5	98.5	99.7
2015	31	1210	55	7.9	4.5	0.08	0.04	99.8	100.7	1.8	1.0	1.5	1.7	1.1	101.1	100.9	98.9
2016	35	1259	246	14.1	8.6	0.03	-0.01	100.2	101.1	2.1	2.0	1.6	1.7	2.3	101.1	101.4	101.3

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
2006	181	878	-323	-19.8	-14.4	-0.04	-0.03	97.8	99.1	-1.3	-0.8	0.1	-1.8	-0.4	100.4	100.4	99.6
2007	180	913	-253	-16.8	-12.4	-0.05	-0.04	99.1	100.2	-0.6	-0.3	-0.0	-0.9	-0.0	100.4	99.2	99.0
2008	203	945	-146	-12.7	-8.3	-0.06	-0.03	99.2	99.7	-0.9	-0.8	-0.3	-1.0	-0.5	100.6	99.9	98.9
2009	212	932	-245	-15.3	-10.9	-0.03	-0.02	98.4	99.3	-0.4	-0.6	0.2	-0.8	0.2	100.4	99.9	99.3
2010	216	1014	-55	-7.3	-3.8	-0.05	-0.02	98.5	99.8	-0.1	-0.2	0.3	-0.4	0.2	100.7	99.6	99.4
2011	214	1037	-79	-5.5	-3.5	-0.01	-0.00	97.9	99.5	0.7	0.6	0.8	0.3	0.4	100.0	99.5	99.3
2012	216	1079	-70	-3.3	-2.5	0.01	0.00	98.6	99.7	0.9	0.5	1.1	0.5	0.9	101.0	100.2	100.0
2013	211	1138	58	3.4	2.1	0.02	0.00	99.5	99.7	1.2	1.0	1.1	1.0	0.5	100.5	100.1	99.9
2014	231	1135	90	1.4	2.8	-0.04	-0.01	99.3	100.5	1.4	0.6	1.1	1.2	0.8	100.9	99.8	99.6
2015	231	1217	107	6.2	5.0	0.02	0.02	99.5	100.7	2.5	1.5	1.9	2.2	1.2	101.7	100.9	100.2
2016	210	1235	186	8.6	7.5	-0.00	0.01	99.5	100.2	2.4	1.2	2.0	2.3	0.5	101.3	100.8	100.0

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.



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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
2006	311	882	70	-10.2	-4.4	-0.18	-0.10	100.5	99.3	-3.3	-1.9	-1.3	-3.4	-2.3	98.8	99.0	100.1
2007	296	918	49	-9.0	-4.3	-0.15	-0.08	100.5	99.6	-2.5	-1.7	-1.3	-2.4	-1.6	99.4	99.4	100.1
2008	306	938	-10	-9.3	-5.0	-0.11	-0.06	100.0	100.0	-2.3	-2.0	-1.1	-2.0	-1.8	99.9	99.5	99.9
2009	334	967	114	-7.0	-0.7	-0.17	-0.07	100.4	99.9	-2.1	-1.5	-1.2	-1.9	-1.4	99.7	99.5	100.0
2010	335	999	151	-1.5	1.6	-0.12	-0.05	100.4	100.0	-2.1	-1.7	-1.5	-1.9	-1.9	99.3	99.3	100.0
2011	372	1037	233	-1.3	4.2	-0.17	-0.06	100.1	100.2	-1.4	-1.1	-1.0	-1.0	-1.2	99.7	99.6	99.6
2012	361	1084	267	3.8	6.0	-0.13	-0.05	100.4	100.2	-0.9	-0.5	-0.8	-0.8	-1.0	99.7	99.7	100.0
2013	361	1163	375	11.3	11.6	-0.10	-0.03	100.8	100.5	-0.8	-0.5	-0.7	-0.7	-0.4	100.0	100.0	100.6
2014	323	1188	427	13.7	14.0	-0.10	-0.03	100.8	100.6	-0.8	-0.7	-1.0	-0.5	-0.8	99.9	100.4	101.0
2015	347	1267	540	20.1	19.6	-0.09	-0.01	100.7	101.0	-0.3	-0.5	-0.7	0.2	-0.6	100.0	100.0	100.8
2016	295	1292	524	20.7	18.2	-0.07	-0.02	100.7	101.7	0.4	-0.3	-0.1	0.9	-0.4	100.7	100.5	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.

**Provincial genetic trends by birth year for Jersey cows**  
**Lactanet Canada, August 2019**

**Newfoundland**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2011	1	1069	-510	2.0	-5.0	0.40	0.21	100.0	101.0	0.0	6.0	0.0	-2.0	3.0	99.0	102.0	99.0
2012	1	1062	-191	-19.0	-12.0	-0.13	-0.06	99.0	101.0	4.0	1.0	0.0	6.0	3.0	106.0	102.0	104.0
2013	1	1202	220	22.0	6.0	0.25	0.02	100.0	103.0	0.0	2.0	-1.0	0.0	0.0	100.0	.	.
2015	1	1258	300	16.0	16.0	0.00	0.06	99.0	102.0	0.0	3.0	-5.0	2.0	-2.0	103.0	104.0	107.0
2016	1	1178	385	6.0	15.0	-0.19	0.00	100.0	101.0	0.0	3.0	-4.0	1.0	-1.0	101.0	104.0	106.0

**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.