

Provincial genetic trends by birth year for Guernsey cows
Lactanet Canada, August 2020

Prince Edward Island

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2009	1	355	-285	-18.0	-5.0	-0.08	0.06	103.0	101.0	-5.0	-3.0	-2.0	-5.0	-1.0	96.0	99.0	98.0
2011	1	823	-109	5.0	-4.0	0.13	0.00	104.0	101.0	2.0	-4.0	-1.0	3.0	0.0	103.0	102.0	101.0
2012	1	740	65	10.0	3.0	0.11	0.01	103.0	105.0	-2.0	-4.0	-1.0	0.0	-8.0	100.0	97.0	99.0
2013	1	862	151	-5.0	4.0	-0.15	-0.01	103.0	104.0	-1.0	3.0	3.0	-4.0	3.0	105.0	105.0	108.0

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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Nova Scotia

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2012	1	839	-103	14.0	5.0	0.26	0.12	99.0	101.0	-3.0	-6.0	-3.0	-1.0	-2.0	103.0	.	.
2015	2	923	202	13.0	7.0	0.06	0.00	99.0	102.5	0.0	0.0	1.0	-0.5	-2.5	103.5	.	.
2016	1	885	900	25.0	26.0	-0.11	0.02	100.0	101.0	-3.0	-3.0	-3.0	-3.0	-1.0	96.0	.	.
2017	3	1113	303	14.0	15.3	0.03	0.08	102.3	103.7	2.7	-0.7	2.7	3.3	-0.3	103.7	102.0	.

Notes:

1. Based on all cows with both production and type indexes.
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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
2007	33	654	-148	-11.5	-4.6	-0.07	0.01	97.9	100.4	0.5	0.4	1.4	-0.9	2.3	101.3	100.8	100.8
2008	48	600	-90	-9.8	-4.5	-0.07	-0.01	97.7	99.9	-1.0	-1.2	-0.5	-1.0	1.1	100.4	100.3	99.3
2009	41	585	-304	-13.5	-9.2	0.00	0.02	99.6	101.3	0.0	-0.3	-0.6	-0.0	0.7	100.9	100.3	99.5
2010	29	743	-255	-4.9	-6.7	0.10	0.03	100.2	102.5	1.6	-0.1	1.1	1.2	0.3	102.5	100.6	100.3
2011	23	789	-167	1.0	-3.4	0.12	0.03	100.3	99.2	1.9	-1.0	0.9	2.3	-1.3	101.5	101.0	100.1
2012	25	780	17	-2.1	-0.2	-0.03	-0.01	100.1	101.2	0.9	0.9	0.4	0.3	0.7	101.9	101.9	101.6
2013	23	865	-115	4.3	-1.6	0.14	0.04	99.8	102.9	2.1	0.8	2.0	1.7	-0.0	102.8	100.4	101.4
2014	17	900	37	7.4	4.9	0.08	0.05	100.2	100.8	1.7	0.9	1.7	1.2	0.0	101.8	100.9	102.3
2015	8	775	-131	-1.9	-4.0	0.06	0.01	103.0	100.6	0.5	-1.1	0.6	1.0	-0.8	102.6	102.3	102.5
2016	6	770	102	4.3	1.2	0.00	-0.03	100.7	100.0	-0.3	-1.0	0.8	-0.7	-1.7	100.8	102.3	103.5
2017	2	629	-286	-16.0	-15.5	-0.06	-0.05	103.0	103.5	2.0	0.5	-1.0	2.5	0.0	104.5	.	.

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
2007	4	656	-44	-6.8	-1.8	-0.07	-0.01	98.5	101.0	0.0	0.3	-1.3	1.0	-1.3	99.5	100.0	97.3
2008	5	684	288	-5.0	8.6	-0.22	0.00	93.6	100.6	-1.2	0.2	-1.2	-2.0	-0.2	99.4	101.0	100.0
2009	4	581	212	-13.0	3.5	-0.30	-0.05	96.5	99.8	-1.3	-2.3	-1.0	-0.8	2.0	99.8	96.5	99.5
2010	4	698	-274	-4.8	-1.5	0.11	0.11	93.0	103.0	0.3	0.0	-0.8	-0.3	-1.0	101.3	99.0	100.5
2011	1	929	-35	4.0	-2.0	0.08	-0.01	97.0	106.0	7.0	6.0	-1.0	7.0	1.0	101.0	101.0	98.0
2012	1	999	1223	22.0	37.0	-0.41	-0.07	95.0	107.0	-4.0	-6.0	-4.0	-4.0	-1.0	101.0	.	.
2013	2	887	569	5.0	9.5	-0.27	-0.13	97.0	104.0	2.0	-0.5	-1.0	3.0	0.0	103.0	97.0	99.0
2014	3	1246	1734	38.7	42.3	-0.47	-0.21	93.7	105.7	-2.3	-1.3	0.7	-3.3	-3.7	103.7	.	.
2015	6	1169	1197	33.7	32.0	-0.25	-0.12	96.5	105.8	-1.0	-2.0	-3.5	0.3	-2.7	103.5	.	.
2016	12	1150	1143	32.5	30.0	-0.22	-0.11	97.6	105.6	-0.2	-0.9	-1.0	-0.2	0.2	102.3	.	.
2017	32	1072	884	21.7	24.5	-0.20	-0.06	97.5	105.3	-0.2	-1.3	-0.5	-0.3	-0.3	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.

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Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2007	101	627	-141	-11.5	-3.7	-0.07	0.02	98.1	98.7	0.6	0.8	0.4	-0.4	1.9	99.6	101.3	100.3
2008	117	635	-136	-8.7	-3.6	-0.03	0.02	97.6	99.8	0.3	0.2	-0.4	-0.2	1.9	99.9	100.5	99.0
2009	86	737	1	-0.4	0.2	-0.00	0.01	98.3	101.2	0.5	0.3	-0.3	0.3	0.7	100.8	100.0	98.9
2010	105	695	-258	-6.6	-7.2	0.07	0.03	98.7	101.4	1.0	-0.1	0.1	1.0	0.2	101.7	101.2	100.6
2011	100	737	-68	-3.8	-2.6	-0.00	-0.00	99.8	100.1	1.4	0.3	0.4	1.8	-0.1	100.9	100.7	99.6
2012	97	766	5	-0.2	-1.2	0.00	-0.01	98.3	101.0	2.1	1.4	1.2	1.4	0.8	101.0	99.4	100.5
2013	84	797	-72	0.0	-0.5	0.05	0.03	98.6	101.3	2.0	1.3	0.6	2.0	0.6	101.4	99.9	101.1
2014	56	764	-47	-2.0	-0.1	0.01	0.03	99.5	100.4	1.5	0.3	0.1	1.5	0.9	101.4	99.9	101.5
2015	79	816	-59	-0.2	0.4	0.05	0.04	100.5	101.8	1.6	0.2	1.0	1.5	0.0	102.1	100.5	101.0
2016	67	817	35	0.1	2.6	-0.01	0.02	100.7	101.4	1.5	0.4	1.5	1.4	0.7	101.6	99.6	101.5
2017	51	807	6	0.7	0.5	0.01	0.01	100.7	102.1	1.9	0.8	0.2	2.0	0.1	102.0	98.7	101.0

Notes:

1. Based on all cows with both production and type indexes.
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Alberta

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2007	1	448	87	-18.0	-1.0	-0.30	-0.05	100.0	99.0	-1.0	7.0	1.0	-5.0	-1.0	95.0	.	.
2008	1	314	-231	-24.0	-12.0	-0.19	-0.05	100.0	99.0	-4.0	2.0	0.0	-6.0	-4.0	97.0	.	.
2009	1	502	-124	-13.0	-2.0	-0.11	0.03	97.0	94.0	-4.0	-5.0	-4.0	-2.0	-5.0	96.0	106.0	.
2010	1	285	325	-16.0	-1.0	-0.42	-0.16	100.0	95.0	-5.0	-1.0	-5.0	-4.0	-3.0	93.0	.	.

Notes:

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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
2007	4	418	-208	-29.3	-10.5	-0.29	-0.04	97.0	99.0	-0.5	1.0	0.8	0.0	-1.0	97.8	99.8	96.0
2008	6	793	123	-6.0	2.2	-0.16	-0.03	96.0	103.3	1.3	2.7	2.8	-0.5	2.8	103.5	99.0	101.4
2009	6	1105	295	19.5	12.8	0.10	0.03	96.7	105.7	5.7	5.7	1.5	5.0	1.5	101.8	98.4	98.3
2010	1	1181	1524	40.0	35.0	-0.34	-0.22	90.0	109.0	-3.0	-2.0	2.0	-4.0	3.0	102.0	101.0	95.0
2011	7	757	-61	-4.9	-4.9	-0.03	-0.04	98.9	103.7	2.6	1.4	2.6	2.4	-1.7	102.3	97.7	98.8
2012	6	1249	1307	36.5	33.2	-0.24	-0.14	96.3	104.7	0.7	-0.8	-0.5	0.5	0.3	103.8	100.5	101.5
2013	10	875	110	10.0	2.2	0.08	-0.01	97.7	105.0	1.4	-0.1	-0.2	1.8	-0.1	102.8	99.0	100.7
2014	6	980	443	5.2	7.7	-0.18	-0.08	97.8	101.7	4.8	3.7	3.5	4.2	1.3	102.7	100.4	102.0
2015	6	843	-299	1.2	-1.0	0.22	0.13	100.3	100.2	2.3	-0.2	1.2	2.2	-0.2	102.0	100.6	100.8
2016	6	1081	153	7.7	8.5	0.02	0.03	100.2	102.8	5.2	1.8	2.8	5.8	1.3	104.2	101.3	100.8
2017	8	949	234	0.8	8.5	-0.13	-0.01	98.3	103.1	3.6	1.5	1.3	3.1	0.6	103.8	103.0	101.5

Notes:

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