

Provincial genetic trends by birth year for Guernsey cows
Lactanet Canada, August 2021

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	-220	-17.0	-5.0	-0.10	0.04	104.0	101.0	-5.0	-3.0	-2.0	-6.0	-1.0	95.0	100.0	98.0
2011	1	791	-99	5.0	-5.0	0.12	-0.02	105.0	101.0	2.0	-4.0	-1.0	3.0	1.0	102.0	101.0	101.0
2012	1	744	118	11.0	3.0	0.09	-0.01	103.0	105.0	-3.0	-4.0	-1.0	-1.0	-9.0	100.0	97.0	99.0
2013	1	812	195	-3.0	5.0	-0.16	-0.03	103.0	104.0	-2.0	3.0	2.0	-4.0	3.0	103.0	103.0	107.0
2018	1	786	-79	2.0	2.0	0.09	0.06	101.0	102.0	0.0	4.0	3.0	-2.0	-1.0	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.
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	789	-166	10.0	2.0	0.25	0.10	98.0	101.0	-4.0	-6.0	-3.0	-1.0	-2.0	102.0	.	.
2015	2	869	129	6.0	2.5	0.02	-0.03	97.5	103.0	-0.5	0.5	1.0	-0.5	-3.0	103.5	101.0	.
2016	1	802	704	17.0	19.0	-0.17	-0.02	99.0	98.0	-1.0	-2.0	-2.0	-2.0	0.0	95.0	.	.
2017	3	1179	392	18.3	18.0	0.04	0.07	103.3	104.0	3.3	-0.7	3.0	4.0	-0.7	103.3	101.0	.
2018	3	709	-323	-3.0	-10.7	0.16	0.01	100.7	101.7	1.7	-1.0	1.7	1.3	0.7	101.7	.	.

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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New Brunswick

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2008	48	597	-63	-9.3	-5.0	-0.08	-0.03	97.9	99.9	-1.1	-1.1	-0.4	-1.3	1.3	100.1	100.1	99.3
2009	41	584	-276	-13.3	-9.9	-0.02	0.00	99.7	101.4	0.0	-0.2	-0.5	-0.2	1.0	100.7	100.2	99.6
2010	30	722	-228	-6.0	-7.7	0.05	0.00	100.0	102.4	1.5	0.0	1.1	1.0	0.6	102.1	100.5	100.3
2011	23	780	-168	0.4	-4.9	0.11	0.01	100.2	99.1	1.9	-1.0	1.0	2.5	-1.4	101.2	100.9	100.0
2012	25	765	22	-2.8	-1.6	-0.05	-0.03	99.8	101.2	0.9	1.1	0.5	0.3	1.0	101.5	101.7	101.5
2013	23	849	-115	3.3	-3.0	0.12	0.02	99.9	102.8	2.3	1.0	2.0	1.7	0.1	102.3	100.5	101.4
2014	19	853	12	3.1	2.8	0.04	0.04	99.3	101.1	1.5	0.9	1.4	1.0	0.1	101.4	100.8	102.7
2015	9	791	-165	-1.8	-5.7	0.08	0.00	102.3	100.8	0.8	-0.6	1.1	0.8	-0.1	102.6	103.0	102.0
2016	6	750	66	1.3	-0.7	-0.02	-0.04	100.3	99.7	-0.8	-0.8	0.7	-0.8	-1.8	100.7	102.0	103.8
2017	2	642	-314	-18.0	-17.5	-0.07	-0.06	101.5	102.5	3.0	0.0	-0.5	3.5	1.0	105.5	.	.

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
2008	5	697	326	-4.4	8.0	-0.22	-0.02	93.4	100.2	-0.8	1.0	-0.8	-2.2	0.2	99.2	101.0	100.0
2009	4	601	252	-11.8	4.0	-0.31	-0.07	96.8	99.8	-1.0	-1.8	-1.0	-0.8	2.3	99.3	97.0	99.5
2010	4	712	-248	-4.3	-2.0	0.09	0.09	93.3	103.0	0.0	0.8	-0.5	-0.3	-1.0	101.0	99.0	100.8
2011	1	934	-21	4.0	-3.0	0.08	-0.02	97.0	106.0	7.0	7.0	-1.0	7.0	1.0	101.0	101.0	98.0
2012	1	996	1253	21.0	37.0	-0.41	-0.08	98.0	106.0	-4.0	-6.0	-4.0	-4.0	0.0	100.0	.	.
2013	2	866	523	4.5	7.5	-0.24	-0.14	98.0	104.5	2.0	0.0	-2.0	4.0	0.5	102.0	96.0	99.0
2014	3	1231	1744	37.3	41.7	-0.46	-0.23	95.7	104.7	-2.3	-1.0	0.7	-3.7	-3.3	102.7	.	.
2015	6	1181	1182	32.0	31.7	-0.23	-0.12	97.7	105.8	-0.5	-1.5	-3.5	0.7	-2.2	103.2	.	.
2016	12	1114	992	26.5	26.4	-0.20	-0.10	99.7	104.5	0.5	0.1	-0.7	0.5	0.8	101.6	.	.
2017	36	1032	784	18.1	20.4	-0.19	-0.07	99.4	104.1	0.3	-1.2	-0.4	0.4	-0.1	102.2	.	.
2018	25	1034	699	16.4	18.7	-0.12	-0.03	100.6	104.5	0.8	0.5	0.6	0.2	0.1	102.2	.	.

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
2008	117	638	-91	-8.2	-3.7	-0.06	-0.00	97.7	99.8	0.3	0.5	-0.3	-0.3	2.2	99.7	100.2	98.8
2009	86	741	28	-0.1	-0.3	-0.02	-0.02	98.3	101.2	0.4	0.5	-0.2	0.1	1.0	100.6	100.0	98.8
2010	105	692	-228	-6.4	-7.9	0.05	0.01	98.6	101.4	1.1	0.1	0.2	0.9	0.4	101.4	100.9	100.6
2011	100	740	-41	-3.4	-3.3	-0.01	-0.02	99.8	100.3	1.5	0.4	0.5	1.9	0.1	100.8	100.3	99.5
2012	97	760	36	0.1	-1.7	-0.01	-0.04	98.2	101.2	2.1	1.7	1.2	1.3	0.8	100.6	99.1	100.5
2013	83	798	-49	0.3	-1.1	0.04	0.01	98.4	101.3	2.2	1.4	0.7	2.0	0.8	101.2	99.7	101.1
2014	56	753	-35	-3.1	-0.8	-0.02	0.01	98.9	100.4	1.4	0.3	0.0	1.4	0.9	101.1	99.8	102.0
2015	80	798	-45	-1.6	-0.8	0.01	0.01	100.2	101.9	1.6	0.4	1.0	1.5	-0.0	101.7	100.2	101.2
2016	68	813	86	-0.5	1.9	-0.05	-0.00	100.0	101.0	1.4	0.4	1.5	1.4	0.6	101.6	99.6	101.2
2017	62	848	101	4.1	2.3	0.01	-0.01	99.8	102.1	2.1	0.7	0.1	2.1	0.5	101.7	99.7	100.0
2018	47	823	46	-0.7	1.2	-0.03	0.00	101.1	101.8	2.2	0.5	0.7	2.0	0.6	102.3	98.2	101.4

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
2008	1	314	-196	-23.0	-12.0	-0.21	-0.07	100.0	99.0	-4.0	2.0	0.0	-7.0	-4.0	97.0	.	.
2009	1	465	-89	-13.0	-2.0	-0.13	0.01	97.0	93.0	-5.0	-5.0	-5.0	-3.0	-6.0	95.0	106.0	.
2010	1	290	345	-16.0	-2.0	-0.42	-0.18	100.0	94.0	-6.0	-1.0	-5.0	-4.0	-3.0	93.0	.	.

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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
2008	6	787	180	-5.5	2.3	-0.18	-0.05	96.0	103.7	1.3	2.7	3.0	-0.8	3.0	102.8	98.8	101.0
2009	6	1091	329	19.3	11.8	0.08	0.01	96.8	105.7	5.7	6.0	1.7	5.0	1.5	101.3	98.0	98.3
2010	1	1162	1553	40.0	34.0	-0.33	-0.24	91.0	109.0	-4.0	-2.0	1.0	-4.0	3.0	101.0	101.0	94.0
2011	7	763	-15	-4.7	-5.1	-0.05	-0.06	99.1	104.0	2.6	1.7	2.9	2.3	-1.6	102.0	97.8	98.6
2012	6	1223	1302	34.0	32.0	-0.24	-0.16	96.7	104.3	0.3	-0.5	-1.0	0.2	0.5	103.2	100.8	101.2
2013	10	855	102	7.8	0.4	0.06	-0.04	97.9	104.8	1.4	-0.1	0.1	1.7	0.1	102.4	99.2	100.2
2014	6	949	447	2.8	6.7	-0.20	-0.10	97.2	101.3	5.0	4.0	3.8	4.0	1.3	102.2	99.7	101.6
2015	6	786	-324	-3.0	-3.5	0.17	0.11	99.8	99.8	1.7	-0.7	1.0	1.8	-1.2	101.5	100.6	100.8
2016	6	1086	259	6.2	8.8	-0.06	-0.00	99.3	103.3	5.7	1.5	2.5	6.3	0.8	104.5	100.8	101.3
2017	8	958	220	4.3	5.5	-0.06	-0.02	96.9	102.8	4.3	2.3	1.4	3.5	0.8	103.3	101.5	100.3
2018	8	811	135	-0.3	0.4	-0.08	-0.05	102.1	101.9	1.9	0.1	0.0	1.9	0.0	102.4	101.5	102.0

Notes:

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