

Provincial genetic trends by birth year for Guernsey 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	1	832	-247	4.0	-9.0	0.20	0.00	105.0	100.0	2.0	-4.0	-1.0	3.0	1.0	103.0	100.0	101.0
2012	1	730	-165	5.0	-4.0	0.17	0.02	103.0	104.0	-3.0	-5.0	-2.0	0.0	-10.0	100.0	97.0	100.0
2013	1	833	-42	-9.0	-2.0	-0.10	-0.01	103.0	104.0	-2.0	3.0	2.0	-4.0	3.0	104.0	104.0	107.0
2018	1	769	-424	-4.0	-8.0	0.19	0.09	101.0	102.0	-1.0	3.0	2.0	-1.0	-3.0	99.0	101.0	.
2019	2	1114	469	13.0	12.0	-0.08	-0.06	102.5	101.0	3.5	-0.5	2.5	4.0	1.0	103.5	.	.

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
2012	1	763	-485	-4.0	-8.0	0.24	0.11	97.0	100.0	-3.0	-6.0	-1.0	-1.0	-3.0	103.0	101.0	.
2014	1	787	41	-22.0	-2.0	-0.33	-0.05	100.0	100.0	2.0	3.0	2.0	1.0	0.0	103.0	102.0	106.0
2015	2	884	-50	3.5	-2.5	0.09	-0.01	97.0	102.0	-1.5	0.0	0.5	-1.0	-3.5	103.5	103.0	.
2016	2	857	-109	9.0	0.5	0.21	0.08	99.0	103.5	-0.5	-1.5	-1.0	-0.5	0.0	100.0	99.0	.
2017	4	1107	347	9.0	11.8	-0.06	0.01	102.0	104.0	2.3	-1.5	1.5	4.3	-1.5	103.3	100.0	105.0
2018	3	749	-490	-3.7	-12.7	0.24	0.06	99.3	102.7	1.3	-0.3	0.7	0.7	1.0	102.3	97.5	.
2019	6	737	-604	-12.7	-16.8	0.18	0.06	98.3	101.7	2.7	1.5	0.7	2.5	-0.3	102.5	100.3	100.0
2020	7	1037	-211	5.9	1.1	0.21	0.11	101.1	103.4	4.0	1.4	0.9	4.1	-1.6	103.6	99.0	102.0
2021	3	1034	-150	12.7	-4.7	0.28	0.01	102.0	103.0	5.3	2.3	1.3	4.7	1.7	103.7	.	.

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
2011	23	789	-353	-2.2	-9.8	0.18	0.03	100.3	98.8	1.2	-1.4	0.3	2.3	-1.6	101.0	100.9	99.9
2012	26	787	-167	-6.2	-6.6	0.02	-0.01	100.0	100.8	0.3	0.0	0.5	0.1	0.7	101.8	102.1	101.6
2013	23	834	-348	-1.7	-9.3	0.18	0.04	99.5	102.1	1.7	0.2	2.1	1.3	-0.4	102.1	100.5	101.0
2014	21	867	-143	-2.0	-1.8	0.06	0.04	99.5	100.7	1.2	0.3	1.5	0.9	-0.0	101.7	101.2	103.0
2015	11	832	-402	-5.7	-11.9	0.16	0.03	102.2	101.2	1.4	0.1	0.7	1.2	0.2	103.3	103.4	102.5
2016	9	778	-138	-0.2	-4.8	0.09	0.01	100.0	99.0	-1.1	-0.8	0.9	-1.1	-1.8	100.2	102.6	104.0
2017	7	862	-281	-3.4	-8.6	0.12	0.02	101.7	101.1	1.0	-2.3	-0.6	2.4	-3.1	103.7	104.8	102.7
2018	7	730	-774	-16.7	-21.1	0.23	0.08	99.7	103.7	2.0	-0.9	1.1	3.0	-0.3	103.7	101.0	101.1
2019	8	945	-167	2.9	-1.4	0.14	0.06	102.9	103.1	2.3	0.4	-0.8	3.1	-1.0	103.0	100.8	102.5
2020	6	841	-318	1.2	-8.3	0.21	0.04	100.5	103.2	1.5	-0.8	0.0	1.8	-1.2	102.7	99.0	100.5
2021	2	922	310	14.5	6.0	0.02	-0.06	100.0	107.0	-3.5	-8.0	-3.0	-0.5	-2.0	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.

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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	1	957	-203	1.0	-8.0	0.13	0.00	97.0	106.0	7.0	7.0	-1.0	7.0	1.0	101.0	101.0	98.0
2012	1	769	597	-1.0	16.0	-0.34	-0.06	99.0	105.0	-4.0	-7.0	-4.0	-3.0	-1.0	99.0	.	.
2013	2	779	96	-7.0	-5.5	-0.16	-0.11	99.0	103.5	2.0	-1.5	-2.0	4.5	-1.0	102.0	96.0	99.0
2014	4	989	765	13.0	16.5	-0.24	-0.12	98.0	104.8	-2.3	-1.8	1.0	-3.3	-2.8	102.8	.	.
2015	6	998	602	13.0	13.0	-0.17	-0.10	98.7	104.8	-0.8	-2.5	-3.8	1.2	-2.7	103.5	.	.
2016	12	1068	655	16.8	15.0	-0.14	-0.09	98.7	105.4	0.4	-0.8	-0.2	0.8	0.3	102.8	.	.
2017	39	994	463	8.0	10.3	-0.14	-0.07	99.7	104.3	0.2	-1.6	-0.1	0.4	-0.1	103.6	101.5	.
2018	31	1011	383	8.9	10.9	-0.07	-0.01	100.6	103.1	0.7	0.2	0.7	0.5	0.0	102.8	98.0	98.0
2019	27	959	165	6.6	6.1	0.01	0.01	100.7	103.5	0.7	-0.2	-0.4	0.4	0.4	103.1	99.0	98.0
2020	25	923	108	3.0	4.2	-0.01	0.01	100.0	102.2	1.6	0.9	0.3	1.0	1.4	102.0	97.0	101.5
2021	7	959	267	3.9	7.3	-0.07	-0.01	99.4	105.0	-0.3	-3.0	0.1	0.1	-0.1	104.1	.	.

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
2011	100	754	-235	-6.4	-8.5	0.06	-0.00	99.7	99.7	0.9	-0.3	0.4	1.8	-0.4	100.6	100.5	99.7
2012	99	760	-183	-3.9	-7.6	0.06	-0.01	98.1	100.2	1.4	1.0	1.1	1.1	0.5	100.4	99.3	100.5
2013	83	805	-243	-3.5	-6.5	0.10	0.03	98.3	100.8	1.7	0.9	0.9	1.8	0.5	101.0	99.7	101.0
2014	56	755	-230	-7.7	-6.4	0.03	0.02	98.5	99.6	1.1	0.3	0.0	1.1	0.8	100.8	100.4	101.3
2015	81	806	-245	-5.4	-6.1	0.08	0.03	99.6	101.2	1.2	-0.2	0.8	1.5	-0.4	101.5	100.3	101.4
2016	70	828	-133	-4.9	-3.8	0.02	0.02	99.6	100.9	1.0	0.2	1.5	1.1	0.7	102.0	100.1	100.8
2017	69	918	31	4.6	0.8	0.05	-0.00	99.9	101.8	1.7	0.4	0.5	1.8	0.3	101.9	100.3	100.5
2018	60	889	-75	-2.2	-1.7	0.02	0.02	100.6	102.0	2.1	0.6	0.5	2.1	0.4	102.8	100.6	101.8
2019	69	927	97	-1.0	1.7	-0.06	-0.02	99.3	101.4	2.4	1.5	0.9	2.0	0.6	102.8	101.0	101.2
2020	81	925	-15	2.2	1.0	0.04	0.02	100.6	102.5	1.1	-0.0	0.3	1.5	0.2	103.0	100.7	101.1
2021	48	936	-31	0.2	-0.7	0.04	0.01	101.0	102.7	2.5	1.3	1.2	2.6	0.1	103.0	100.9	101.8

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	7	747	-247	-9.4	-11.9	0.02	-0.04	99.6	103.0	1.6	0.7	2.6	2.1	-2.1	101.7	97.8	98.3
2012	6	1163	988	25.3	22.2	-0.19	-0.14	96.8	103.5	-0.2	-2.0	-1.0	0.7	-0.3	103.7	100.5	101.5
2013	10	798	-186	-0.5	-8.4	0.11	-0.02	98.2	103.4	0.7	-1.3	0.5	1.2	-0.4	102.2	99.2	100.4
2014	6	917	241	-3.3	0.0	-0.16	-0.09	97.2	100.8	4.5	3.0	3.8	4.0	0.8	101.5	99.5	101.6
2015	7	829	-351	-4.7	-5.4	0.16	0.10	99.9	99.9	1.0	-1.9	1.1	1.4	-1.1	102.0	100.6	100.8
2016	6	1063	46	3.7	2.3	0.03	0.01	99.8	102.7	4.7	0.7	1.8	6.0	0.2	103.7	101.2	99.8
2017	8	970	125	0.6	2.6	-0.04	-0.01	96.5	102.1	4.0	1.5	1.1	3.9	0.0	103.0	99.5	99.5
2018	8	834	-32	-2.1	-3.5	-0.00	-0.03	100.4	101.4	1.5	0.1	-0.8	1.3	0.4	102.6	101.0	102.6
2019	7	920	-3	0.7	0.6	0.02	0.01	101.3	103.9	0.9	-2.4	1.3	1.0	-0.1	104.1	99.4	99.3
2020	9	983	172	12.8	2.8	0.08	-0.03	99.1	103.2	1.4	-0.7	0.7	1.3	0.4	102.9	.	100.7
2021	1	780	-65	-1.0	-9.0	0.02	-0.09	103.0	104.0	0.0	-2.0	1.0	1.0	-1.0	102.0	.	.

Notes:

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