

Provincial genetic trends by birth year for Guernsey cows
Lactanet Canada, August 2022

Prince Edward Island

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2009	1	354	-334	-18.0	-8.0	-0.06	0.06	104.0	100.0	-5.0	-4.0	-2.0	-6.0	-1.0	96.0	100.0	98.0
2011	1	833	-149	6.0	-6.0	0.17	-0.01	104.0	101.0	3.0	-3.0	-1.0	3.0	1.0	103.0	101.0	101.0
2012	1	732	25	10.0	1.0	0.13	0.00	103.0	104.0	-3.0	-5.0	-1.0	-1.0	-9.0	100.0	97.0	99.0
2013	1	801	109	-4.0	2.0	-0.12	-0.02	103.0	104.0	-1.0	3.0	2.0	-4.0	3.0	103.0	103.0	106.0
2018	1	831	-153	3.0	0.0	0.14	0.08	101.0	103.0	0.0	3.0	3.0	-1.0	-2.0	100.0	.	.
2019	1	1112	322	17.0	10.0	0.05	-0.01	100.0	100.0	7.0	4.0	3.0	6.0	3.0	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.

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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	831	-207	10.0	1.0	0.29	0.11	99.0	101.0	-4.0	-6.0	-3.0	-1.0	-2.0	103.0	101.0	.
2015	2	864	89	8.0	1.5	0.07	-0.02	97.5	102.5	-1.0	0.5	0.5	-1.0	-3.0	103.0	101.0	.
2016	2	877	266	10.5	7.5	-0.01	-0.01	100.5	103.0	0.5	-0.5	0.0	0.0	0.5	100.0	.	.
2017	3	1175	419	16.7	17.7	0.00	0.04	103.7	103.7	3.0	-1.3	2.7	4.3	-1.0	103.3	100.5	.
2018	3	725	-397	-3.7	-11.0	0.19	0.04	99.7	102.0	2.3	0.0	1.3	1.3	1.0	102.3	97.0	.
2019	5	967	18	7.6	5.6	0.11	0.07	102.2	102.2	2.6	0.6	3.0	2.2	-1.0	101.4	.	.

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
2009	41	581	-352	-13.6	-11.7	0.02	0.01	99.6	101.1	-0.2	-0.4	-0.7	-0.3	1.0	100.7	100.2	99.4
2010	30	727	-296	-6.2	-9.5	0.09	0.01	99.9	102.4	1.4	-0.4	0.8	1.0	0.8	102.3	100.6	100.3
2011	23	789	-232	0.7	-6.4	0.16	0.02	100.0	99.1	1.7	-1.2	0.6	2.5	-1.3	101.3	101.0	99.9
2012	26	778	-49	-2.8	-3.3	-0.00	-0.02	100.0	101.4	0.8	0.5	0.6	0.2	1.0	102.0	101.8	101.3
2013	23	853	-186	3.0	-4.7	0.16	0.03	99.7	102.7	2.0	0.7	2.0	1.6	-0.0	102.4	100.6	101.1
2014	21	869	-12	2.6	1.8	0.05	0.04	99.4	101.3	1.6	0.8	1.6	1.0	0.0	101.7	100.9	103.1
2015	10	806	-279	-1.9	-8.4	0.15	0.02	102.4	101.3	1.4	-0.1	1.1	1.2	0.2	102.9	102.8	101.9
2016	8	745	-54	2.5	-3.1	0.07	-0.01	99.5	99.1	-1.1	-0.6	0.8	-1.1	-2.1	100.3	102.4	104.2
2017	7	838	-168	1.0	-4.9	0.13	0.03	102.3	101.6	1.6	-1.4	-0.3	2.4	-2.7	103.4	102.3	102.5
2018	7	834	-429	-5.9	-9.0	0.19	0.08	100.9	105.6	2.3	-0.4	1.7	2.9	0.1	103.9	100.4	102.0
2019	3	962	592	12.7	14.3	-0.17	-0.08	100.3	103.3	1.3	0.7	-2.7	2.0	-1.0	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.
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Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2009	4	565	158	-13.0	1.5	-0.27	-0.05	96.8	99.3	-1.3	-2.0	-1.5	-1.3	2.3	99.0	96.0	98.5
2010	4	714	-322	-4.3	-3.8	0.14	0.10	93.3	102.8	-0.3	0.3	-0.8	-0.5	-1.0	101.0	99.5	100.3
2011	1	945	-86	4.0	-4.0	0.12	-0.02	97.0	106.0	7.0	7.0	-1.0	7.0	1.0	101.0	101.0	98.0
2012	1	876	1019	13.0	29.0	-0.40	-0.08	98.0	104.0	-5.0	-6.0	-4.0	-4.0	-1.0	99.0	.	.
2013	2	826	457	1.5	4.5	-0.25	-0.15	98.5	103.5	2.0	-0.5	-2.0	4.0	0.0	102.0	95.0	98.0
2014	4	1042	1120	25.5	25.8	-0.29	-0.17	98.5	103.8	-2.3	-1.3	0.8	-3.5	-2.5	101.5	.	.
2015	6	1088	1034	25.3	25.5	-0.24	-0.13	97.7	105.0	-0.5	-1.2	-3.7	0.3	-2.2	102.7	.	.
2016	12	1107	932	27.2	23.8	-0.16	-0.10	98.6	104.4	0.6	-0.2	-0.9	0.4	0.8	101.6	.	.
2017	39	1030	712	17.6	18.4	-0.16	-0.07	99.5	103.8	0.3	-1.2	-0.4	0.2	-0.1	102.6	.	.
2018	29	988	505	12.3	13.9	-0.10	-0.02	100.5	102.9	0.9	0.4	0.7	0.4	-0.2	102.2	97.0	.
2019	24	956	240	10.0	8.0	0.01	0.01	101.0	103.7	1.4	0.3	0.3	0.6	0.3	103.1	.	.

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
2009	86	730	-49	-0.5	-2.3	0.02	-0.01	98.2	101.0	0.1	0.2	-0.5	-0.1	0.9	100.5	99.9	98.6
2010	105	689	-307	-6.8	-9.7	0.10	0.02	98.5	101.2	0.9	-0.1	0.1	0.8	0.4	101.4	100.7	100.4
2011	100	741	-115	-3.3	-5.1	0.03	-0.01	99.6	100.1	1.2	0.1	0.2	1.9	0.0	100.7	100.4	99.4
2012	99	748	-64	-0.8	-4.2	0.03	-0.02	98.0	100.9	1.8	1.5	1.1	1.3	0.8	100.5	98.9	100.2
2013	83	804	-115	0.4	-2.8	0.09	0.02	98.3	101.2	2.0	1.3	0.6	1.9	0.8	101.2	99.9	101.2
2014	56	766	-91	-3.0	-2.2	0.02	0.02	98.9	100.4	1.4	0.3	0.1	1.4	0.9	101.2	99.9	101.2
2015	80	802	-120	-2.0	-2.7	0.05	0.02	99.8	101.7	1.4	0.1	1.1	1.5	-0.3	101.7	100.4	101.1
2016	69	823	-1	-1.2	0.0	-0.01	0.01	100.0	100.9	1.5	0.3	1.6	1.4	0.6	101.8	99.8	100.8
2017	66	894	116	7.1	3.0	0.04	-0.01	100.0	102.1	2.0	0.8	0.3	1.8	0.6	101.9	100.3	100.0
2018	57	881	16	2.8	1.3	0.04	0.01	100.9	102.1	2.2	0.7	0.6	2.0	0.5	102.6	100.6	101.9
2019	47	920	131	3.1	3.3	-0.04	-0.01	100.0	101.5	3.0	1.1	2.0	2.6	0.4	102.8	99.4	101.0

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
2009	1	465	-167	-13.0	-4.0	-0.09	0.02	97.0	93.0	-5.0	-5.0	-5.0	-3.0	-6.0	95.0	106.0	.
2010	1	279	274	-16.0	-4.0	-0.40	-0.17	99.0	94.0	-6.0	-1.0	-6.0	-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
2009	6	1103	265	19.7	10.5	0.13	0.02	97.0	105.5	5.3	5.3	1.5	4.8	1.5	101.3	98.7	98.2
2010	1	1169	1505	41.0	33.0	-0.28	-0.24	91.0	109.0	-4.0	-3.0	1.0	-4.0	3.0	101.0	101.0	94.0
2011	7	767	-84	-4.9	-6.9	-0.01	-0.05	99.1	103.6	2.6	1.3	2.7	2.4	-1.6	102.0	98.0	98.4
2012	6	1190	1204	32.8	28.8	-0.21	-0.15	96.7	103.7	0.3	-0.8	-1.0	0.0	0.0	103.0	100.3	101.3
2013	10	845	24	6.9	-1.8	0.10	-0.03	98.4	104.1	1.0	-0.5	-0.2	1.2	0.1	102.5	99.9	100.4
2014	6	973	409	3.3	5.7	-0.17	-0.10	97.7	101.3	4.8	3.7	4.0	4.0	1.0	102.5	99.8	101.4
2015	7	853	-211	0.4	-0.4	0.15	0.10	100.3	100.0	1.4	-1.4	0.9	1.9	-1.0	102.1	101.0	100.8
2016	6	1089	194	8.0	6.7	0.00	0.00	99.5	103.2	5.3	1.2	2.2	6.0	0.7	104.2	101.4	100.2
2017	8	989	270	5.0	6.8	-0.07	-0.02	96.5	102.6	4.3	2.0	1.5	3.4	0.8	103.4	100.8	99.5
2018	8	883	172	5.4	2.8	-0.02	-0.04	102.3	102.4	1.6	0.3	-0.5	1.5	-0.3	102.9	102.0	102.6
2019	7	917	86	4.7	2.9	0.02	0.01	102.6	103.6	1.6	-1.4	1.4	1.6	0.4	103.7	.	100.0

Notes:

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