

Provincial genetic trends by birth year for Guernsey cows
Lactanet Canada, August 2023

Prince Edward Island

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2011	1	799	-203	4.0	-7.0	0.17	0.00	104.0	101.0	2.0	-3.0	-1.0	3.0	1.0	102.0	99.0	100.0
2012	1	703	-93	6.0	-2.0	0.13	0.01	103.0	104.0	-3.0	-5.0	-2.0	-1.0	-10.0	99.0	98.0	99.0
2013	1	819	-3	-8.0	-1.0	-0.11	-0.01	103.0	104.0	-2.0	3.0	2.0	-4.0	3.0	104.0	104.0	107.0
2018	1	813	-325	-2.0	-5.0	0.16	0.08	100.0	102.0	0.0	2.0	3.0	-1.0	-3.0	100.0	102.0	.
2019	1	1059	202	13.0	6.0	0.05	0.01	99.0	101.0	7.0	3.0	2.0	5.0	4.0	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	789	-354	2.0	-3.0	0.23	0.11	98.0	100.0	-3.0	-6.0	-1.0	-1.0	-3.0	102.0	101.0	.
2014	1	753	165	-21.0	0.0	-0.37	-0.07	101.0	99.0	2.0	3.0	2.0	2.0	0.0	102.0	101.0	105.0
2015	2	865	-6	5.5	-1.0	0.08	-0.01	97.5	102.0	-1.0	0.0	0.5	-1.0	-3.0	103.0	102.0	.
2016	2	879	-25	7.5	2.0	0.14	0.06	100.0	103.5	1.0	-1.0	0.0	0.5	0.0	100.5	100.0	.
2017	4	1089	428	9.3	14.0	-0.10	-0.00	102.0	103.8	2.0	-1.3	0.8	4.0	-1.3	103.0	100.3	104.0
2018	3	740	-491	-5.3	-12.3	0.21	0.06	99.0	102.3	2.3	-0.3	1.7	1.3	1.0	103.0	94.0	.
2019	6	831	-309	-6.7	-6.5	0.09	0.06	100.2	100.8	2.3	0.2	3.0	2.5	-0.5	102.2	101.0	99.0
2020	7	1026	-107	5.6	2.6	0.14	0.08	101.0	103.3	4.0	1.4	1.3	4.7	-1.7	103.3	99.0	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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New Brunswick

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2010	30	726	-381	-8.9	-11.4	0.09	0.02	99.8	101.8	1.1	-0.6	1.0	0.9	0.7	102.3	100.7	100.5
2011	23	783	-313	-1.8	-8.4	0.15	0.03	100.0	99.0	1.3	-1.3	0.4	2.3	-1.6	101.1	101.3	100.0
2012	26	777	-121	-5.3	-5.0	-0.00	-0.01	100.0	101.0	0.5	0.3	0.4	0.1	0.7	101.9	102.0	101.5
2013	23	830	-294	-0.5	-7.4	0.16	0.03	99.3	102.3	1.7	0.3	2.0	1.3	-0.2	102.3	100.5	101.0
2014	21	854	-110	-1.5	-0.5	0.04	0.04	99.3	100.7	1.3	0.5	1.4	0.9	0.1	101.7	101.4	103.1
2015	11	808	-378	-5.2	-10.8	0.15	0.03	102.3	101.5	1.1	0.1	0.6	1.1	0.1	103.5	103.1	102.5
2016	9	760	-109	-0.1	-3.8	0.07	0.00	99.4	99.0	-1.1	-0.7	0.9	-1.0	-1.7	100.0	102.8	104.4
2017	7	832	-234	-2.1	-7.1	0.11	0.03	102.4	101.6	1.3	-2.1	-0.7	2.7	-2.6	103.6	102.7	102.5
2018	7	761	-637	-12.9	-16.1	0.19	0.07	98.9	104.4	2.1	-1.1	1.7	3.0	-0.1	103.6	101.0	100.9
2019	3	921	453	7.0	9.7	-0.15	-0.07	100.7	102.7	1.0	0.0	-3.0	2.3	-1.3	101.7	.	.
2020	3	934	-27	9.3	-0.3	0.14	0.01	102.0	105.0	2.3	-0.3	-2.3	2.7	0.3	103.3	.	.

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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Quebec

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2010	4	732	-397	-6.8	-5.5	0.14	0.11	93.5	102.8	0.0	0.3	-0.3	-0.3	-1.0	101.0	99.8	100.8
2011	1	950	-159	2.0	-6.0	0.12	0.00	97.0	106.0	7.0	7.0	-1.0	7.0	1.0	101.0	101.0	98.0
2012	1	804	885	6.0	24.0	-0.38	-0.08	98.0	103.0	-4.0	-7.0	-4.0	-4.0	-1.0	98.0	.	.
2013	2	789	249	-4.0	-2.0	-0.19	-0.12	98.0	102.5	1.5	-1.0	-2.0	4.5	0.0	102.0	96.0	99.0
2014	4	986	941	17.5	20.3	-0.26	-0.14	97.8	102.8	-2.3	-1.5	0.8	-3.5	-2.5	101.5	.	.
2015	6	1024	824	17.3	18.7	-0.21	-0.11	97.7	103.0	-0.7	-2.0	-3.7	0.8	-2.3	102.8	.	.
2016	12	1093	830	21.3	19.8	-0.16	-0.09	98.1	103.5	0.8	-0.6	0.1	0.9	0.6	101.8	.	.
2017	39	993	602	11.3	14.0	-0.16	-0.07	98.9	102.9	0.2	-1.7	-0.1	0.3	-0.0	102.6	101.5	.
2018	31	1006	467	11.0	13.1	-0.09	-0.02	100.4	102.2	0.7	0.2	0.8	0.4	0.0	102.3	98.0	98.0
2019	27	955	196	7.4	6.9	0.00	0.01	100.6	103.0	1.0	-0.2	0.2	0.7	0.2	103.1	97.0	.
2020	23	918	166	4.0	6.0	-0.03	0.01	98.8	101.3	1.7	1.1	0.9	0.8	1.4	101.8	.	.

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
2010	105	687	-387	-9.1	-11.5	0.10	0.02	98.5	100.9	0.7	-0.4	0.1	0.7	0.4	101.4	100.7	100.7
2011	100	742	-193	-5.7	-6.8	0.04	-0.00	99.7	99.9	1.0	-0.1	0.3	1.6	-0.2	100.7	100.5	99.5
2012	99	749	-137	-3.1	-5.8	0.04	-0.01	97.9	100.4	1.6	1.2	1.0	1.1	0.6	100.4	99.1	100.4
2013	83	799	-199	-2.4	-4.9	0.08	0.03	98.1	100.9	1.7	1.0	0.7	1.8	0.7	101.2	99.9	101.2
2014	56	747	-189	-6.7	-4.7	0.02	0.03	98.5	99.7	1.1	0.3	0.1	1.1	0.9	100.9	100.4	101.3
2015	80	795	-207	-4.6	-4.7	0.06	0.03	99.6	101.3	1.2	-0.3	0.9	1.5	-0.3	101.5	100.4	101.2
2016	69	806	-88	-3.9	-2.1	0.00	0.02	99.3	100.7	0.9	-0.1	1.5	0.9	0.8	101.6	100.0	100.6
2017	68	886	39	4.3	1.2	0.04	0.00	99.8	101.6	1.6	0.3	0.3	1.6	0.4	101.6	100.5	100.6
2018	58	865	-69	-1.2	-1.2	0.03	0.02	100.8	102.0	1.9	0.4	0.2	2.0	0.4	102.5	100.8	102.1
2019	63	913	100	-0.7	2.5	-0.05	-0.01	99.6	101.1	2.7	1.3	1.4	2.5	0.8	102.6	100.4	101.0
2020	66	881	-106	0.1	-0.4	0.07	0.05	100.2	101.8	1.3	-0.2	0.9	1.7	0.6	102.7	101.0	101.2

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
2010	1	277	208	-19.0	-5.0	-0.36	-0.15	99.0	94.0	-6.0	-1.0	-6.0	-4.0	-4.0	92.0	.	.

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
2010	1	1182	1421	38.0	30.0	-0.25	-0.20	91.0	108.0	-4.0	-3.0	1.0	-4.0	3.0	102.0	101.0	94.0
2011	7	749	-174	-8.1	-9.1	-0.01	-0.04	99.1	103.0	1.9	0.7	2.9	2.1	-2.0	101.7	98.0	98.5
2012	6	1171	1095	28.0	25.2	-0.19	-0.13	96.5	102.7	0.2	-1.7	-1.0	0.5	-0.3	102.8	100.7	101.8
2013	10	817	-98	2.3	-5.5	0.09	-0.02	97.9	103.3	0.8	-1.3	0.0	1.2	0.0	102.5	99.9	100.6
2014	6	928	283	-2.0	2.0	-0.16	-0.08	97.0	100.8	4.7	3.2	3.8	4.0	0.8	101.8	100.0	101.6
2015	7	817	-296	-2.9	-3.1	0.14	0.09	100.1	99.4	1.0	-2.0	0.9	1.3	-1.1	101.7	100.8	100.8
2016	6	1070	86	5.0	3.7	0.03	0.01	99.8	102.7	5.0	0.3	2.2	6.0	0.3	103.8	101.8	100.0
2017	8	953	166	2.1	4.3	-0.04	-0.01	96.8	101.9	3.8	1.4	0.5	3.6	0.3	102.8	99.8	100.0
2018	8	859	50	1.5	-0.5	0.00	-0.03	101.0	101.4	1.8	-0.4	-0.9	2.0	0.0	102.4	101.5	102.6
2019	7	923	62	3.3	2.0	0.02	0.00	101.9	103.4	1.0	-2.6	1.6	1.1	0.0	103.9	100.0	99.3
2020	9	997	177	12.3	3.1	0.05	-0.02	98.7	102.9	2.0	-0.4	0.6	2.7	0.4	103.7	.	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.