

Provincial genetic trends by birth year for Guernsey cows
Lactanet Canada, August 2019

Prince Edward Island

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2009	1	375	-209	-14.0	-3.0	-0.08	0.06	103.0	101.0	-5.0	-3.0	-2.0	-5.0	-1.0	96.0	99.0	97.0
2011	1	810	-56	6.0	-2.0	0.13	0.00	105.0	101.0	1.0	-3.0	-1.0	2.0	0.0	103.0	102.0	101.0
2012	1	752	87	11.0	4.0	0.11	0.01	103.0	105.0	-2.0	-3.0	-1.0	0.0	-8.0	101.0	97.0	99.0
2013	1	853	185	-3.0	5.0	-0.16	-0.01	104.0	104.0	-2.0	2.0	3.0	-4.0	2.0	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	841	-38	16.0	7.0	0.23	0.11	101.0	102.0	-3.0	-6.0	-3.0	-1.0	-2.0	103.0	.	.
2015	2	934	467	15.0	12.5	-0.07	-0.05	101.0	102.5	0.0	0.5	0.5	0.0	-3.0	103.0	.	.

Notes:

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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
2006	30	559	-192	-13.2	-7.3	-0.07	-0.01	98.3	99.1	-0.1	1.0	1.5	-1.8	3.1	99.9	101.2	99.1
2007	33	653	-125	-11.7	-3.8	-0.09	0.01	98.3	100.4	0.6	0.2	1.4	-0.5	2.5	101.7	100.9	100.9
2008	48	599	-62	-9.5	-3.4	-0.09	-0.01	98.1	100.1	-0.8	-1.3	-0.5	-0.8	1.2	100.5	100.4	99.5
2009	41	604	-253	-12.3	-7.4	-0.02	0.02	100.0	101.4	0.1	-0.2	-0.5	0.2	0.7	101.2	100.6	99.9
2010	29	747	-200	-3.5	-4.9	0.08	0.03	100.6	102.7	1.6	-0.0	0.9	1.3	0.4	102.6	100.6	100.6
2011	23	786	-118	1.9	-1.9	0.11	0.03	100.6	99.1	2.0	-0.8	0.7	2.5	-1.2	101.6	101.0	100.3
2012	25	797	63	-0.5	1.6	-0.04	-0.01	100.5	101.6	1.1	0.9	0.7	0.6	0.7	102.3	101.9	101.8
2013	23	872	-55	6.2	0.7	0.13	0.04	100.4	103.3	2.3	0.9	1.9	1.7	-0.1	102.9	100.5	101.6
2014	17	908	110	8.9	6.9	0.07	0.04	100.3	101.3	1.8	0.9	1.5	1.5	-0.1	102.1	101.3	102.5
2015	8	772	-117	-0.6	-2.9	0.07	0.01	102.6	100.9	0.6	-1.0	0.5	1.0	-1.0	102.8	104.3	102.8
2016	6	732	97	2.8	0.8	-0.02	-0.03	101.3	101.0	-0.3	-0.8	0.5	-0.3	-1.7	100.8	102.0	103.3

Notes:

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

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2006	3	542	157	-15.7	-1.0	-0.29	-0.08	95.7	101.3	-1.0	0.7	-1.0	-1.0	0.0	100.0	98.0	97.0
2007	4	650	-10	-6.3	-0.8	-0.08	0.00	98.8	100.8	0.0	0.3	-1.3	1.3	-1.3	99.5	100.0	97.3
2008	5	671	314	-4.6	9.0	-0.23	0.00	93.4	100.2	-1.4	0.0	-1.2	-2.2	-0.2	99.8	102.0	101.0
2009	4	589	246	-12.0	4.5	-0.32	-0.05	96.5	99.5	-1.0	-2.5	-0.8	-0.5	2.0	100.0	97.5	100.0
2010	4	709	-217	-3.3	0.3	0.10	0.11	93.3	103.0	-0.5	0.3	-0.5	-0.3	-1.0	101.8	98.8	100.5
2011	1	959	12	5.0	0.0	0.06	-0.01	98.0	106.0	7.0	6.0	-1.0	7.0	1.0	102.0	102.0	99.0
2012	1	1007	1385	36.0	38.0	-0.30	-0.10	88.0	102.0	-4.0	-6.0	-4.0	-4.0	-1.0	100.0	.	.
2013	2	842	648	7.0	8.0	-0.28	-0.18	95.0	103.0	1.5	-0.5	-1.5	3.5	-0.5	102.5	97.0	.
2014	3	1255	1777	52.7	42.3	-0.29	-0.21	87.7	99.7	-1.7	-2.3	1.3	-2.7	-3.3	102.3	.	.
2015	6	1128	1300	37.8	30.7	-0.23	-0.17	91.8	102.5	-1.0	-2.5	-3.3	0.5	-2.7	103.5	.	.
2016	5	1099	1070	44.2	29.6	-0.10	-0.11	89.6	100.4	-1.2	-1.4	-2.2	-0.8	0.0	100.8	.	.

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
2006	100	601	-43	-9.4	-2.2	-0.11	-0.00	97.2	99.5	-0.4	0.6	0.5	-1.5	2.3	99.7	100.8	98.5
2007	101	629	-103	-11.1	-2.5	-0.09	0.02	98.3	98.8	0.8	0.7	0.4	-0.0	2.0	99.7	101.5	100.5
2008	117	629	-103	-8.5	-2.5	-0.06	0.02	97.9	99.9	0.4	0.2	-0.4	0.1	1.9	99.9	100.5	99.1
2009	86	740	45	0.4	1.7	-0.02	0.00	98.6	101.2	0.6	0.3	-0.3	0.4	0.7	101.0	100.4	99.0
2010	105	702	-212	-5.7	-5.6	0.06	0.03	99.1	101.5	1.0	-0.1	0.1	0.9	0.3	102.0	101.3	101.0
2011	100	737	-24	-3.1	-1.2	-0.02	-0.00	100.3	100.3	1.6	0.3	0.5	1.9	-0.1	101.1	100.7	99.8
2012	97	768	36	0.3	-0.1	-0.01	-0.02	98.8	101.4	2.3	1.4	1.2	1.7	0.9	101.3	99.4	100.7
2013	83	806	-32	0.6	0.8	0.04	0.03	99.0	101.7	2.3	1.3	0.9	2.3	0.7	101.6	100.6	101.3
2014	56	777	23	0.2	2.0	-0.01	0.02	100.0	100.6	1.8	0.5	0.1	1.8	1.1	101.5	99.8	101.1
2015	76	813	1	1.5	2.3	0.03	0.04	100.7	102.0	1.7	0.3	0.8	1.8	0.2	102.0	100.0	101.1
2016	50	800	51	3.0	2.4	-0.01	0.01	101.2	100.7	1.8	0.4	1.1	1.7	0.8	101.4	98.2	102.4

Notes:

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Alberta

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2006	1	466	-206	-9.0	-5.0	0.00	0.04	104.0	97.0	-3.0	-2.0	-1.0	-3.0	-3.0	97.0	.	.
2007	1	451	135	-17.0	1.0	-0.33	-0.05	100.0	99.0	-1.0	7.0	1.0	-5.0	-1.0	95.0	.	.
2008	1	323	-178	-22.0	-10.0	-0.22	-0.06	100.0	99.0	-4.0	2.0	0.0	-6.0	-4.0	97.0	.	.
2009	1	406	-100	-13.0	-1.0	-0.14	0.03	98.0	94.0	-4.0	-5.0	-4.0	-2.0	-5.0	96.0	.	.
2010	1	279	324	-17.0	-1.0	-0.44	-0.16	100.0	95.0	-5.0	-1.0	-5.0	-3.0	-3.0	93.0	.	.

Notes:

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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
2006	2	482	-588	-25.5	-14.0	-0.01	0.09	96.0	97.0	0.5	1.0	0.5	-2.0	3.0	101.5	102.0	102.5
2007	4	426	-189	-28.5	-9.8	-0.31	-0.05	97.0	99.0	-0.5	1.0	1.0	0.0	-1.0	98.0	100.0	96.3
2008	6	766	132	-7.2	2.5	-0.18	-0.03	96.3	103.3	1.8	2.7	3.0	-0.3	2.8	103.2	99.0	100.5
2009	6	1073	297	20.0	12.5	0.11	0.04	96.8	105.3	5.5	5.5	1.2	5.0	1.3	102.0	98.4	98.8
2010	1	1147	1501	39.0	34.0	-0.32	-0.21	91.0	108.0	-3.0	-2.0	2.0	-4.0	2.0	102.0	102.0	95.0
2011	7	760	-61	-4.9	-4.7	-0.03	-0.03	99.6	103.4	2.6	1.4	2.7	2.6	-1.1	102.9	98.0	99.2
2012	6	1224	1331	38.3	32.5	-0.21	-0.14	94.2	102.3	1.0	-1.0	-0.5	1.0	0.5	104.2	100.7	101.7
2013	10	873	154	11.9	3.3	0.09	-0.02	98.0	104.1	1.5	-0.2	-0.4	2.0	-0.2	102.9	99.3	100.7
2014	6	962	432	5.5	7.5	-0.18	-0.08	98.2	101.2	4.8	3.7	3.3	4.5	1.5	102.5	101.3	101.8
2015	6	841	-130	2.2	2.3	0.12	0.10	100.5	99.2	2.3	0.0	1.2	2.3	-0.2	101.7	101.0	100.7
2016	6	995	143	7.5	7.3	0.03	0.02	98.3	101.8	5.2	1.8	2.0	5.5	0.7	103.2	100.5	100.8

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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