

Provincial genetic trends by birth year for Guernsey cows
Canadian Dairy Network, August 2018

Prince Edward Island

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2009	1	363	-215	-11.0	-3.0	-0.04	0.06	104.0	3.05	-5.0	-3.0	-2.0	-5.0	-1.0	95.0	99.0	98.0
2011	1	813	-3	8.0	0.0	0.13	0.00	105.0	3.03	2.0	-3.0	-1.0	3.0	1.0	103.0	102.0	102.0
2012	1	745	115	14.0	5.0	0.14	0.01	103.0	2.88	-2.0	-3.0	-1.0	0.0	-7.0	101.0	98.0	100.0
2013	1	808	223	-1.0	6.0	-0.15	-0.01	104.0	2.89	-2.0	2.0	3.0	-4.0	2.0	104.0	103.0	107.0

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	876	-3	18.0	9.0	0.24	0.12	102.0	2.96	-3.0	-6.0	-2.0	-1.0	-2.0	104.0	.	.
2015	2	902	509	17.0	14.0	-0.06	-0.04	100.0	2.95	-0.5	0.5	0.0	0.0	-3.0	102.0	.	.

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
2005	50	503	-120	-12.0	-6.3	-0.10	-0.03	99.9	3.11	-0.4	0.1	-1.0	-0.7	1.2	99.6	99.9	99.5
2006	30	573	-125	-9.6	-4.8	-0.06	-0.01	98.8	3.10	0.1	1.0	1.6	-1.7	3.2	100.1	101.4	99.7
2007	33	671	-61	-8.2	-1.7	-0.08	0.01	98.7	3.04	0.9	0.2	1.5	-0.3	2.5	101.7	101.4	101.1
2008	48	624	4	-5.8	-1.2	-0.07	-0.01	98.4	3.05	-0.7	-1.4	-0.4	-0.6	1.3	100.8	100.7	99.7
2009	41	591	-180	-8.7	-5.1	-0.01	0.02	100.0	3.00	0.2	-0.3	-0.6	0.2	0.9	100.9	100.2	99.7
2010	29	720	-125	-0.6	-2.5	0.08	0.03	100.7	2.95	1.7	-0.0	1.0	1.4	0.5	102.4	100.1	100.5
2011	23	757	-25	5.1	1.0	0.10	0.02	100.6	3.08	2.0	-0.6	0.6	2.6	-1.0	101.1	100.4	100.3
2012	25	782	125	2.3	3.4	-0.04	-0.01	100.6	2.98	1.4	1.0	0.7	0.8	1.0	102.0	101.3	101.5
2013	23	829	2	8.5	2.1	0.13	0.03	100.4	2.92	2.5	1.0	1.9	1.9	0.0	102.9	100.1	101.3
2014	15	894	208	13.6	10.3	0.07	0.04	99.5	3.00	2.3	1.7	2.6	1.1	0.0	101.9	99.9	102.0
2015	4	836	29	10.0	5.3	0.14	0.07	103.3	3.00	1.0	-1.5	0.5	2.0	-0.8	102.3	101.0	100.0

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
2005	4	541	-196	-12.0	-9.0	-0.06	-0.03	98.0	3.03	1.0	-2.0	-2.8	1.8	0.0	101.3	100.0	100.7
2006	3	568	217	-12.3	1.3	-0.27	-0.07	96.0	3.01	-1.0	0.3	-1.3	-1.0	0.0	100.0	98.5	97.0
2007	4	668	59	-2.5	1.5	-0.08	-0.01	99.0	3.03	0.3	0.3	-1.0	1.8	-1.3	99.5	100.5	98.0
2008	5	723	376	-1.0	11.6	-0.22	0.00	94.2	3.04	-1.4	-0.8	-1.2	-1.6	-1.2	99.8	103.0	102.0
2009	4	610	299	-8.5	6.5	-0.31	-0.05	96.8	3.08	-1.3	-2.8	-1.0	-0.5	1.8	99.8	97.0	100.5
2010	4	665	-165	0.0	2.0	0.11	0.11	93.5	2.95	-0.5	0.0	-0.5	-0.3	-1.5	101.0	98.3	100.8
2011	1	867	62	7.0	1.0	0.07	-0.01	98.0	2.83	7.0	6.0	-1.0	7.0	1.0	101.0	101.0	99.0
2012	1	987	1370	37.0	38.0	-0.29	-0.10	89.0	3.16	-5.0	-7.0	-4.0	-4.0	-1.0	97.0	.	.
2013	2	825	713	9.0	10.0	-0.30	-0.19	94.5	2.99	2.5	-0.5	-1.5	4.0	-0.5	101.0	98.0	.
2014	2	1283	1680	56.0	45.0	-0.20	-0.15	86.5	3.17	-0.5	-0.5	2.5	-2.0	-3.0	100.0	.	.
2015	5	1186	1503	44.0	37.4	-0.26	-0.17	90.2	3.06	-0.4	-2.6	-3.0	1.2	-2.2	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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Ontario

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2005	108	522	-155	-10.5	-5.5	-0.05	0.00	98.5	3.08	0.3	0.8	-0.7	-0.5	2.1	99.7	99.0	99.0
2006	100	623	19	-5.9	0.1	-0.09	-0.00	97.5	3.08	-0.2	0.6	0.6	-1.3	2.3	100.0	101.1	98.7
2007	101	650	-46	-7.7	-0.5	-0.08	0.02	98.9	3.10	1.0	0.6	0.4	0.1	2.1	100.0	101.8	100.8
2008	117	636	-44	-5.1	-0.4	-0.04	0.02	98.2	3.06	0.6	0.1	-0.4	0.3	2.0	100.0	100.5	99.3
2009	86	734	101	3.2	3.6	-0.02	0.00	98.7	3.01	0.7	0.2	-0.3	0.5	0.9	101.1	100.3	99.2
2010	105	684	-143	-2.7	-3.4	0.06	0.02	99.2	2.99	1.1	-0.2	0.1	1.1	0.4	101.8	100.9	100.8
2011	100	731	54	0.3	1.4	-0.02	-0.00	100.3	3.04	1.8	0.4	0.4	2.1	0.2	101.0	100.5	100.0
2012	97	749	92	3.5	1.8	0.00	-0.02	98.8	2.98	2.5	1.6	1.1	1.8	1.0	101.4	99.2	100.8
2013	81	793	28	3.5	2.8	0.04	0.03	99.4	2.97	2.3	1.2	0.8	2.4	0.6	101.8	100.8	101.4
2014	53	766	117	3.5	4.6	-0.02	0.01	100.4	3.01	1.9	0.7	0.4	1.8	0.7	101.3	98.3	100.9
2015	69	814	121	6.6	5.1	0.03	0.02	100.3	2.95	1.6	0.1	1.0	1.5	-0.1	102.2	99.0	102.1

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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Alberta

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2006	1	467	-143	-6.0	-4.0	0.00	0.03	104.0	3.16	-3.0	-2.0	-1.0	-3.0	-3.0	97.0	.	.
2007	1	468	191	-13.0	3.0	-0.31	-0.05	101.0	3.10	-1.0	7.0	1.0	-5.0	-1.0	95.0	.	.
2008	1	342	-116	-19.0	-8.0	-0.21	-0.06	100.0	3.11	-4.0	2.0	0.0	-6.0	-4.0	97.0	.	.
2009	1	416	-36	-10.0	1.0	-0.13	0.02	98.0	3.31	-4.0	-5.0	-5.0	-2.0	-5.0	95.0	.	.
2010	1	335	373	-14.0	1.0	-0.44	-0.16	100.0	3.26	-5.0	-1.0	-5.0	-3.0	-3.0	93.0	.	.

Notes:

1. Based on all cows with both production and type indexes.
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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
2005	4	548	36	-8.5	-3.0	-0.14	-0.06	101.5	3.01	-0.5	-0.3	-1.8	-0.8	1.0	100.3	98.8	99.8
2006	2	479	-513	-21.5	-11.5	0.00	0.09	97.0	3.17	0.5	0.5	0.5	-2.0	2.0	101.0	102.0	102.0
2007	4	445	-127	-24.8	-8.0	-0.30	-0.05	97.3	3.12	-0.5	0.8	0.5	0.0	-0.8	98.0	100.8	96.3
2008	6	757	183	-3.5	4.3	-0.17	-0.03	96.7	2.92	1.7	2.7	3.0	-0.3	2.7	103.2	99.0	100.8
2009	6	1000	350	22.5	13.5	0.12	0.03	97.3	2.85	5.5	5.3	1.3	4.8	1.7	101.7	98.6	98.8
2010	1	1226	1541	42.0	35.0	-0.32	-0.21	91.0	2.73	-2.0	-1.0	2.0	-3.0	3.0	103.0	102.0	96.0
2011	7	726	16	-1.7	-2.7	-0.03	-0.04	99.4	2.93	2.7	1.3	2.6	2.7	-1.3	102.6	98.4	99.4
2012	6	1241	1436	42.3	35.7	-0.22	-0.15	94.8	2.98	1.5	-0.5	-0.3	1.5	0.2	103.0	100.0	101.8
2013	10	877	233	14.8	6.1	0.09	-0.02	98.4	2.92	2.2	-0.2	0.3	2.6	0.0	103.0	99.3	100.6
2014	6	924	466	9.2	9.7	-0.15	-0.07	98.8	3.00	4.7	3.3	3.8	3.7	1.2	102.3	101.0	103.0
2015	6	817	20	6.7	5.0	0.09	0.07	101.3	3.09	2.7	0.2	1.8	2.5	0.0	101.3	.	99.3

Notes:

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