

Provincial phenotypic trends by birth year for Jersey cows
Canadian Dairy Network, August 2016

Prince Edward Island

Year	Number of Cows		ME yields (kg)		
	Milk Fat	Protein	Milk	Fat	Protein
1975	6	0	4375	203.8	.
1976	7	1	4640	236.0	157.0
1977	14	3	4020	200.5	133.0
1978	14	1	4195	214.4	165.0
1979	16	4	4395	224.3	178.3
1980	29	4	5301	268.7	229.0
1981	20	9	4993	250.2	189.6
1982	12	1	5151	256.7	156.0
1983	8	8	5110	256.8	198.5
1984	11	11	5778	280.2	208.3
1985	10	10	5114	258.7	192.5
1986	13	13	4655	225.8	173.9
1987	12	12	5626	273.4	211.0
1988	11	11	5648	286.6	217.4
1989	19	19	5747	288.1	220.4
1990	12	12	5293	267.5	203.9
1991	21	21	6196	316.9	240.6
1992	9	9	5534	299.2	218.1
1993	11	11	5500	287.9	214.6
1994	21	21	5126	258.0	199.0
1995	26	26	5534	265.8	210.4
1996	14	14	6718	334.4	257.0
1997	8	8	6848	349.5	259.4
1998	4	4	7283	340.5	260.8
1999	13	13	7357	360.2	273.1
2000	12	12	7109	357.6	272.0
2001	10	10	6909	333.0	249.6
2002	12	12	7358	365.1	264.4
2003	8	8	6855	333.6	242.8
2004	21	21	8381	387.1	304.9
2005	5	5	6954	343.8	256.0
2006	5	5	8039	381.4	303.4
2007	9	9	7742	412.6	289.4
2008	8	8	7787	358.6	278.5
2009	7	7	8646	431.4	311.0
2010	8	8	8222	400.4	303.5
2011	9	9	7630	380.6	277.7
2012	6	6	8910	448.8	316.7
2013	4	4	7674	368.3	283.0

Provincial phenotypic trends by birth year for Jersey cows
Canadian Dairy Network, August 2016

Prince Edward Island

Year	Number of Cows		ME yields (kg)		
	Milk Fat	Protein	Milk	Fat	Protein
2014	2	2	10024	474.0	362.0

Notes:

1. Based on lactation records qualifying for genetic evaluation.
 2. Only using first lactation records for 2-yr-old animals.
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Provincial phenotypic trends by birth year for Jersey cows
Canadian Dairy Network, August 2016

Nova Scotia

Year	Number of Cows		ME yields (kg)		
	Milk Fat	Protein	Milk	Fat	Protein
1975	25	0	4253	225.4	.
1976	33	0	4587	238.3	.
1977	26	0	4694	245.7	.
1978	55	0	4689	241.3	.
1979	60	0	4493	239.1	.
1980	58	1	5188	263.6	126.0
1981	55	16	5034	254.1	231.5
1982	52	24	5043	257.4	220.8
1983	60	60	4968	250.7	190.5
1984	57	57	4893	239.7	191.4
1985	50	50	5054	239.1	200.6
1986	62	62	5072	248.9	203.3
1987	57	57	5155	248.4	198.9
1988	60	60	5716	273.4	221.9
1989	86	86	5649	273.3	222.4
1990	85	85	5895	287.7	228.7
1991	90	90	5919	294.6	233.5
1992	74	74	6062	292.7	232.9
1993	62	62	6153	301.8	240.4
1994	64	64	6316	312.4	245.5
1995	67	67	6347	316.2	244.4
1996	41	41	6448	310.3	242.5
1997	28	28	6849	327.0	257.8
1998	28	28	7990	406.3	308.6
1999	20	20	7857	387.4	303.9
2000	22	22	8441	411.3	324.3
2001	23	23	8439	408.0	324.2
2002	27	27	8068	401.3	305.9
2003	25	25	7739	378.2	294.4
2004	25	25	7524	362.0	278.8
2005	35	35	7603	371.2	292.0
2006	29	29	7519	361.0	277.8
2007	35	35	8143	391.2	302.5
2008	48	48	8200	416.8	307.2
2009	41	41	7853	396.9	300.2
2010	43	43	8044	413.4	303.6
2011	48	48	8080	416.7	305.5
2012	43	43	8234	429.9	312.1
2013	68	68	7772	397.2	294.8

Provincial phenotypic trends by birth year for Jersey cows
Canadian Dairy Network, August 2016

Nova Scotia

Year	Number of Cows		ME yields (kg)		
	Milk Fat	Protein	Milk	Fat	Protein
2014	18	18	8107	418.8	299.6

Notes:

1. Based on lactation records qualifying for genetic evaluation.
 2. Only using first lactation records for 2-yr-old animals.
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Provincial phenotypic trends by birth year for Jersey cows
Canadian Dairy Network, August 2016

New Brunswick

Year	Number of Cows		ME yields (kg)		
	Milk Fat	Protein	Milk	Fat	Protein
1975	76	7	4519	229.5	209.6
1976	83	23	4695	240.5	183.1
1977	97	19	4559	230.8	197.8
1978	110	9	4659	231.8	196.2
1979	116	44	4754	236.0	209.3
1980	118	70	5114	250.0	217.1
1981	132	88	5078	245.5	203.0
1982	149	124	4842	237.6	193.8
1983	145	144	4994	248.6	198.2
1984	125	125	5182	257.0	205.5
1985	129	129	5071	249.9	204.0
1986	118	118	5183	252.2	209.4
1987	128	128	5209	252.5	207.2
1988	161	161	5112	254.0	205.3
1989	131	131	5572	277.1	221.2
1990	106	106	5239	259.7	208.3
1991	140	140	5472	269.0	216.3
1992	98	98	5504	269.2	213.7
1993	120	120	5674	280.3	220.5
1994	152	152	5677	273.3	215.9
1995	119	119	6062	301.8	234.6
1996	89	89	6357	311.0	243.2
1997	78	78	6552	312.1	245.9
1998	67	67	7254	345.0	272.8
1999	73	73	7088	344.3	272.2
2000	63	63	7192	340.1	273.3
2001	67	67	7036	330.0	267.3
2002	58	58	7107	327.0	262.9
2003	73	73	7241	336.1	267.6
2004	44	44	7299	343.0	268.5
2005	53	53	7162	336.6	268.9
2006	41	41	6796	326.2	249.9
2007	53	53	7072	344.6	266.7
2008	94	94	6735	323.9	244.7
2009	103	103	6334	297.0	230.6
2010	86	86	6275	297.3	230.2
2011	99	99	5881	282.5	216.6
2012	99	99	6860	341.5	253.6
2013	72	72	7304	371.4	273.9

Provincial phenotypic trends by birth year for Jersey cows
Canadian Dairy Network, August 2016

New Brunswick

Year	Number of Cows		ME yields (kg)		
	Fat	Protein	Milk	Fat	Protein
2014	21	21	8361	435.2	300.4

Notes:

1. Based on lactation records qualifying for genetic evaluation.
 2. Only using first lactation records for 2-yr-old animals.
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Provincial phenotypic trends by birth year for Jersey cows
Canadian Dairy Network, August 2016

Quebec

Year	Number of Cows		ME yields (kg)		
	Milk Fat	Protein	Milk	Fat	Protein
1975	370	40	4511	225.0	146.7
1976	343	43	4726	236.0	156.8
1977	448	65	4645	229.7	161.1
1978	485	66	4565	228.3	168.0
1979	529	122	4520	223.8	189.5
1980	515	226	4505	219.9	178.8
1981	513	363	4576	223.7	183.0
1982	481	382	4694	227.0	181.8
1983	477	453	4842	235.4	190.7
1984	461	461	4879	237.1	192.9
1985	456	456	5175	253.3	204.9
1986	413	413	5247	258.1	206.9
1987	421	421	5172	257.8	207.5
1988	432	432	5093	248.9	201.9
1989	444	444	5533	269.1	217.2
1990	421	421	5578	271.5	218.0
1991	380	380	5559	274.8	218.1
1992	384	384	5569	271.6	217.9
1993	362	362	5800	282.2	226.9
1994	365	365	5758	280.8	223.0
1995	358	358	5954	287.1	230.5
1996	263	263	6395	309.3	243.9
1997	258	258	6249	303.9	239.8
1998	312	312	6659	328.6	253.1
1999	378	378	6811	334.7	256.1
2000	362	362	6902	337.1	258.5
2001	485	485	6552	315.2	246.9
2002	571	571	6689	322.6	253.1
2003	723	723	6534	312.7	247.7
2004	750	750	7011	333.4	263.4
2005	805	805	7087	343.5	269.9
2006	920	920	6857	335.4	260.3
2007	1078	1078	7098	350.2	268.6
2008	1109	1109	7442	365.3	280.4
2009	1264	1264	7512	368.9	283.1
2010	1461	1461	7573	373.4	286.7
2011	1537	1537	7616	381.9	289.4
2012	1511	1511	7701	390.0	292.6
2013	1563	1563	8016	404.6	305.5

Provincial phenotypic trends by birth year for Jersey cows
Canadian Dairy Network, August 2016

Quebec

Year	Number of Cows		ME yields (kg)		
	Milk Fat	Protein	Milk	Fat	Protein
2014	705	705	8300	421.1	313.0

Notes:

1. Based on lactation records qualifying for genetic evaluation.
 2. Only using first lactation records for 2-yr-old animals.
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Provincial phenotypic trends by birth year for Jersey cows
Canadian Dairy Network, August 2016

Ontario

Year	Number of Cows		ME yields (kg)		
	Milk Fat	Protein	Milk	Fat	Protein
1975	1221	0	4763	243.0	.
1976	1249	0	4876	248.2	.
1977	1218	19	4790	247.0	198.8
1978	1396	47	4790	247.0	207.2
1979	1708	312	4866	248.8	205.5
1980	1825	816	4992	250.3	205.0
1981	2143	1108	5087	258.0	197.8
1982	2025	1266	5127	258.5	195.1
1983	2301	2147	5154	255.8	202.0
1984	2533	2533	5259	262.6	206.9
1985	2511	2511	5289	266.3	209.6
1986	2463	2463	5538	276.6	220.2
1987	2800	2800	5583	277.8	220.7
1988	2716	2716	5568	278.1	222.1
1989	2756	2756	5960	296.0	234.3
1990	2836	2836	6211	308.2	243.5
1991	3032	3032	6342	316.7	248.2
1992	2827	2827	6493	321.6	252.1
1993	2622	2622	6692	332.8	259.0
1994	2614	2614	6804	333.1	260.7
1995	2468	2468	7029	343.1	270.4
1996	2113	2113	7319	355.3	278.5
1997	1996	1996	7561	363.5	284.9
1998	1972	1972	7347	354.6	277.6
1999	2072	2072	7492	361.5	284.0
2000	2161	2161	7409	358.1	279.5
2001	2298	2298	7428	358.7	277.3
2002	2301	2301	7309	352.7	272.5
2003	2024	2024	7536	361.1	280.6
2004	2110	2110	7545	357.5	280.2
2005	1986	1986	7446	357.3	280.1
2006	1850	1850	7360	356.2	277.3
2007	2008	2008	7424	359.2	281.0
2008	2023	2023	7591	367.9	285.7
2009	2190	2190	7587	368.2	285.7
2010	2159	2159	7655	372.6	286.6
2011	2198	2198	7769	384.1	291.0
2012	2292	2292	7784	385.9	292.0
2013	2251	2251	8158	402.0	307.6

Provincial phenotypic trends by birth year for Jersey cows
Canadian Dairy Network, August 2016

Ontario

Year	Number of Cows		ME yields (kg)		
	Fat	Protein	Milk	Fat	Protein
2014	810	810	8392	410.0	311.8

Notes:

1. Based on lactation records qualifying for genetic evaluation.
 2. Only using first lactation records for 2-yr-old animals.
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Provincial phenotypic trends by birth year for Jersey cows
Canadian Dairy Network, August 2016

Manitoba

Year	Number of Cows		ME yields (kg)		
	Milk Fat	Protein	Milk	Fat	Protein
1975	68	0	4255	209.5	.
1976	67	0	4186	204.5	.
1977	69	0	4514	226.8	.
1978	70	2	4402	218.5	184.5
1979	69	1	4186	209.2	178.0
1980	50	0	4633	228.6	.
1981	59	2	4311	220.7	207.0
1982	66	26	4210	206.9	169.3
1983	52	48	4510	221.6	177.3
1984	55	55	4357	212.9	168.1
1985	41	41	4909	222.6	184.9
1986	49	49	5054	241.7	198.7
1987	68	68	5236	250.0	205.2
1988	86	86	5494	256.5	212.7
1989	97	97	5906	279.8	230.4
1990	82	82	6641	308.6	255.0
1991	77	77	6519	305.9	250.1
1992	89	89	6796	318.0	262.5
1993	98	98	6818	324.6	263.3
1994	113	113	6887	320.2	264.6
1995	120	120	7017	319.0	266.7
1996	113	113	6610	304.8	252.9
1997	107	107	7581	349.3	287.6
1998	87	87	8138	366.2	303.3
1999	58	58	7647	345.6	291.6
2000	59	59	7948	345.2	294.1
2001	74	74	7452	339.3	281.4
2002	111	111	7112	327.0	270.3
2003	129	129	6904	316.1	265.0
2004	109	109	7103	324.7	265.6
2005	89	89	7611	353.1	287.6
2006	85	85	7588	355.4	285.6
2007	78	78	7629	347.2	281.4
2008	84	84	7513	347.6	280.8
2009	84	84	7513	354.1	280.4
2010	83	83	7818	371.4	291.8
2011	73	73	7210	339.7	269.9
2012	68	68	7658	360.6	286.0
2013	75	75	8307	387.5	312.6

Provincial phenotypic trends by birth year for Jersey cows
Canadian Dairy Network, August 2016

Manitoba

Year	Number of Cows		ME yields (kg)		
	Milk Fat	Protein	Milk	Fat	Protein
2014	15	15	10327	501.3	377.5

Notes:

1. Based on lactation records qualifying for genetic evaluation.
 2. Only using first lactation records for 2-yr-old animals.
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Provincial phenotypic trends by birth year for Jersey cows
Canadian Dairy Network, August 2016

Saskatchewan

Year	Number of Cows		ME yields (kg)		
	Milk Fat	Protein	Milk	Fat	Protein
1977	1	0	4410	194.0	.
1979	1	0	5740	221.0	.
1983	1	1	3360	176.0	133.0
1985	5	5	6361	287.4	228.4
1986	22	22	5800	271.2	222.8
1987	33	33	6162	277.0	241.1
1988	36	36	5996	277.2	226.1
1989	30	30	6397	297.9	237.3
1990	46	46	6724	317.0	249.0
1991	53	53	6577	311.9	248.6
1992	53	53	6737	312.5	253.2
1993	46	46	6607	313.5	246.4
1994	53	53	6603	308.1	247.7
1995	31	31	7124	347.1	274.0
1996	26	26	7450	345.0	274.4
1997	48	48	7662	339.5	277.1
1998	25	25	7526	353.4	281.0
1999	30	30	7229	332.0	274.8
2000	45	45	7374	347.9	286.6
2001	50	50	7037	331.4	276.4
2002	39	39	7830	382.0	303.3
2003	78	78	7067	337.9	274.8
2004	57	57	7828	371.0	298.8
2005	48	48	6958	334.2	258.5
2006	26	26	6641	319.6	254.1
2007	25	25	7421	346.6	280.2
2008	43	43	7721	365.1	291.6
2009	23	23	7419	352.2	284.9
2010	24	24	7435	360.3	282.1
2011	20	20	7820	378.4	293.0
2012	19	19	7558	375.9	287.6
2013	13	13	7617	391.8	279.3
2014	7	7	8139	399.7	299.0

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.

Provincial phenotypic trends by birth year for Jersey cows
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Alberta

Year	Number of Cows		ME yields (kg)		
	Milk Fat	Protein	Milk	Fat	Protein
1975	50	0	5407	271.4	.
1976	86	0	5327	276.8	.
1977	85	0	5168	266.1	.
1978	127	0	5382	279.5	.
1979	123	5	5312	264.2	241.8
1980	136	7	5455	269.7	101.0
1981	141	46	5488	265.4	219.2
1982	155	107	5313	262.3	213.0
1983	172	114	5808	283.2	236.2
1984	215	187	5786	280.0	236.8
1985	242	227	5758	280.6	237.0
1986	208	208	5871	284.6	234.8
1987	259	259	5795	279.8	230.4
1988	268	268	5992	290.4	236.5
1989	228	228	6526	311.5	254.9
1990	247	247	6697	319.5	258.4
1991	214	214	6706	325.4	261.4
1992	213	213	6680	321.2	261.2
1993	182	182	6718	329.2	265.9
1994	178	178	6789	326.6	264.5
1995	149	149	6865	322.5	263.6
1996	131	131	6786	321.7	261.0
1997	113	113	7271	344.6	277.5
1998	140	140	7779	365.4	299.4
1999	158	158	7695	368.0	296.6
2000	122	122	7559	345.4	286.2
2001	169	169	7546	353.6	283.2
2002	167	167	7501	350.3	283.5
2003	167	167	7337	342.6	274.2
2004	166	166	7696	370.2	289.6
2005	189	189	7049	345.8	273.7
2006	164	164	7367	359.2	282.5
2007	162	162	7297	358.2	278.8
2008	170	170	7381	362.6	282.0
2009	218	218	7105	349.0	270.1
2010	196	196	7671	376.3	289.1
2011	191	191	7492	380.0	284.6
2012	200	200	7593	389.0	289.2
2013	179	179	8321	426.1	311.9

Provincial phenotypic trends by birth year for Jersey cows
Canadian Dairy Network, August 2016

Alberta

Year	Number of Cows		ME yields (kg)		
	Milk Fat	Protein	Milk	Fat	Protein
2014	130	130	8354	410.7	307.4

Notes:

1. Based on lactation records qualifying for genetic evaluation.
 2. Only using first lactation records for 2-yr-old animals.
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Provincial phenotypic trends by birth year for Jersey cows
Canadian Dairy Network, August 2016

British Columbia

Year	Number of Cows		ME yields (kg)		
	Milk Fat	Protein	Milk	Fat	Protein
1975	314	43	4571	235.5	190.4
1976	247	24	4762	248.7	192.9
1977	235	14	4789	252.8	201.6
1978	260	14	4685	243.8	178.3
1979	316	47	4390	224.7	211.5
1980	314	112	4974	252.4	213.6
1981	315	158	5131	258.8	207.4
1982	314	263	5299	269.8	205.1
1983	329	329	5235	256.5	199.5
1984	360	360	5427	268.6	207.9
1985	355	355	5568	277.6	211.9
1986	365	363	5647	281.4	215.1
1987	364	364	5646	279.4	216.5
1988	398	398	5781	287.7	223.2
1989	372	372	6079	302.3	234.2
1990	385	385	6464	321.4	247.1
1991	368	368	6810	335.7	259.2
1992	304	304	7158	350.4	270.0
1993	279	279	6947	349.1	258.9
1994	297	297	7005	351.0	260.3
1995	199	199	7590	368.0	278.9
1996	219	219	7856	380.1	290.0
1997	171	171	8493	401.4	310.5
1998	178	178	8362	401.6	307.4
1999	189	189	8587	406.9	317.9
2000	204	204	8618	399.6	317.4
2001	240	240	8818	396.8	317.0
2002	226	226	8856	400.4	318.5
2003	251	251	8534	401.5	311.3
2004	279	279	8638	400.6	313.3
2005	296	296	8503	398.8	310.8
2006	297	297	8678	414.5	319.5
2007	240	240	8760	417.4	324.2
2008	281	281	8497	421.6	316.9
2009	294	294	8462	423.9	315.4
2010	303	303	8309	418.3	309.2
2011	366	366	8466	418.6	317.3
2012	396	396	8512	422.8	311.8
2013	346	346	8864	446.9	328.2

Provincial phenotypic trends by birth year for Jersey cows
Canadian Dairy Network, August 2016

British Columbia

Year	Number of Cows		ME yields (kg)		
	Fat	Protein	Milk	Fat	Protein
2014	181	181	8539	436.1	311.1

Notes:

1. Based on lactation records qualifying for genetic evaluation.
 2. Only using first lactation records for 2-yr-old animals.
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Provincial phenotypic trends by birth year for Jersey cows
Canadian Dairy Network, August 2016

Newfoundland

Year	Number of Cows		ME yields (kg)		
	Milk Fat	Protein	Milk	Fat	Protein
1975	10	0	3938	206.3	.
1976	5	0	4403	233.2	.
1977	9	0	4659	258.7	.
1978	7	0	4475	240.7	.
1979	9	0	4041	206.9	.
1980	8	0	3636	192.0	.
1990	2	2	4025	183.5	147.0
2010	1	1	8562	424.0	306.0
2011	1	1	5591	303.0	220.0
2012	1	1	4803	250.0	178.0

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.