

**Provincial phenotypic trends by birth year for Holstein cows**  
**Canadian Dairy Network, August 2010**

**Prince Edward Island**

Year	Number of Cows		ME yields		
	Milk Fat	Protein	Milk	Fat	Protein
1975	431	0	6453	240.5	.
1976	462	6	6828	251.9	182.2
1977	548	75	6702	251.1	206.2
1978	775	106	6550	245.8	185.8
1979	840	203	6728	250.4	201.2
1980	838	329	6840	256.4	205.4
1981	991	616	6816	255.4	213.1
1982	1102	857	6873	252.3	217.6
1983	1195	1184	6953	255.1	223.5
1984	1189	1186	7201	266.3	231.7
1985	1250	1249	7625	276.7	248.9
1986	1313	1313	7469	277.4	245.5
1987	1289	1289	7619	282.2	250.0
1988	1292	1292	7927	295.0	261.7
1989	1479	1479	8244	305.5	271.2
1990	1433	1433	8483	313.3	271.8
1991	1581	1581	8799	327.0	279.2
1992	1496	1496	9180	338.9	289.8
1993	1582	1582	9339	344.0	296.0
1994	1607	1607	9321	345.9	298.6
1995	1721	1721	9570	348.9	304.2
1996	1446	1446	10029	366.8	317.9
1997	1495	1495	10471	387.1	331.7
1998	1805	1805	10612	393.7	335.2
1999	1733	1733	10680	399.5	339.9
2000	1757	1757	10699	399.9	336.7
2001	1968	1968	10428	388.3	324.8
2002	2094	2094	10438	391.7	324.4
2003	1970	1970	10593	392.0	327.9
2004	2220	2220	10520	389.0	327.8
2005	2075	2075	10558	394.4	329.7
2006	2059	2059	10432	388.2	324.1
2007	2086	2086	10710	403.4	335.2
2008	584	584	10993	417.8	345.5

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 Holstein cows**  
**Canadian Dairy Network, August 2010**

**Nova Scotia**

Year	Number of Cows		ME yields		
	Milk Fat	Protein	Milk	Fat	Protein
1975	805	0	6988	244.1	.
1976	942	0	7120	253.6	.
1977	1042	0	7176	261.2	.
1978	1171	5	7049	256.7	207.0
1979	1368	271	7198	264.6	229.0
1980	1359	596	7277	270.2	233.7
1981	1621	1044	7282	265.8	227.4
1982	1863	1614	7236	262.2	227.6
1983	2054	2044	7459	270.0	233.5
1984	2072	2072	7707	278.1	245.1
1985	2073	2073	7809	280.0	249.1
1986	1959	1959	7852	281.1	248.7
1987	2386	2386	7933	286.1	250.4
1988	2517	2517	8377	302.0	269.8
1989	2394	2394	8821	326.8	291.2
1990	2338	2338	8949	330.3	288.2
1991	2356	2356	9264	340.2	295.5
1992	2495	2495	9464	341.4	299.4
1993	2475	2475	9495	341.5	298.3
1994	2397	2397	9693	344.2	306.1
1995	2488	2488	9905	355.0	313.6
1996	2121	2121	10451	374.3	330.8
1997	2320	2320	10945	398.1	348.4
1998	2586	2586	10746	394.6	343.6
1999	2598	2598	10750	388.5	341.2
2000	2424	2424	10676	390.0	337.3
2001	2928	2928	10737	392.4	336.2
2002	3045	3045	10737	391.4	335.0
2003	2988	2988	10639	381.6	330.7
2004	3124	3124	10446	375.0	327.4
2005	2930	2930	10470	380.9	330.8
2006	2474	2474	10695	393.7	337.1
2007	2564	2564	11022	403.6	343.4
2008	832	832	11227	424.2	346.7

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 Holstein cows**  
**Canadian Dairy Network, August 2010**

**New Brunswick**

Year	Number of Cows		ME yields		
	Milk Fat	Protein	Milk	Fat	Protein
1975	746	35	6977	247.5	185.5
1976	899	179	7022	248.0	195.4
1977	1119	276	6995	245.9	206.9
1978	1325	251	7068	251.4	214.5
1979	1547	636	7036	253.9	226.8
1980	1750	1144	7147	261.1	227.0
1981	1963	1546	7247	264.2	231.9
1982	1995	1764	7148	259.9	228.8
1983	2254	2231	7376	267.6	236.4
1984	2143	2138	7578	278.4	245.1
1985	2267	2267	7847	282.7	255.4
1986	2285	2285	7959	289.0	259.5
1987	2563	2563	8043	292.2	263.3
1988	2536	2536	8359	306.6	274.7
1989	2518	2518	8705	321.0	286.6
1990	2531	2531	8797	327.2	283.7
1991	2614	2614	8998	333.3	287.1
1992	2700	2700	9227	340.0	292.2
1993	2720	2720	9351	348.4	298.0
1994	2505	2505	9489	345.0	301.5
1995	2657	2657	9713	353.1	306.8
1996	2307	2307	10251	373.8	322.9
1997	2443	2443	10826	392.4	342.3
1998	2482	2482	11031	403.5	350.5
1999	2459	2459	11133	404.6	353.4
2000	2415	2415	10997	396.7	345.2
2001	2718	2718	10753	385.9	333.7
2002	2688	2688	10689	384.9	331.9
2003	2490	2490	10633	382.6	329.1
2004	2516	2516	10695	382.7	333.4
2005	2431	2431	10923	394.3	341.6
2006	2332	2332	10830	395.2	338.7
2007	2272	2272	11004	402.5	344.3
2008	737	737	11165	416.7	347.6

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 Holstein cows**  
**Canadian Dairy Network, August 2010**

**Quebec**

Year	Number of Cows		ME yields		
	Milk Fat	Protein	Milk	Fat	Protein
1975	10836	5171	6591	238.6	195.3
1976	12516	6497	6802	246.3	202.4
1977	15610	8360	6799	249.0	209.0
1978	19183	8322	6729	246.2	204.5
1979	23301	13161	6826	247.5	209.2
1980	26300	19324	7055	255.1	216.4
1981	29818	24781	7247	262.4	224.8
1982	33075	29088	7368	265.4	229.5
1983	35779	34806	7606	274.6	241.9
1984	38820	38734	7821	286.2	250.5
1985	41054	40988	8015	295.4	259.4
1986	42652	42635	8157	302.9	264.2
1987	43693	43693	8124	300.8	263.1
1988	45990	45990	8146	301.8	263.4
1989	43403	43403	8415	315.0	272.3
1990	44146	44146	8426	318.0	270.4
1991	46865	46865	8515	320.4	271.2
1992	47138	47138	8672	325.0	274.6
1993	47313	47313	8903	337.4	284.4
1994	49853	49853	8975	339.3	288.2
1995	50639	50639	9360	349.6	297.6
1996	46516	46516	9882	367.4	314.0
1997	50857	50857	10288	382.4	329.5
1998	53659	53659	10411	392.2	335.1
1999	54437	54437	10546	394.2	336.7
2000	55427	55427	10640	396.3	337.5
2001	61049	61049	10544	394.4	335.3
2002	62425	62425	10477	394.7	333.6
2003	62678	62678	10632	396.0	336.4
2004	62959	62959	10697	402.3	339.2
2005	60555	60555	10815	410.1	343.5
2006	57593	57593	10734	413.3	339.5
2007	58184	58184	10982	419.9	347.1
2008	17409	17409	11181	432.8	349.9
2009	1	1	10586	396.0	351.0

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 Holstein cows**  
**Canadian Dairy Network, August 2010**

**Ontario**

Year	Number of Cows		ME yields		
	Milk Fat	Protein	Milk	Fat	Protein
1975	20248	2	6899	259.8	276.5
1976	22544	218	7024	265.5	219.9
1977	27703	3336	6982	264.6	223.8
1978	33153	5191	6950	263.1	218.8
1979	39656	16612	6932	263.0	219.8
1980	43182	26336	7055	267.7	221.9
1981	46607	31264	7218	275.1	227.9
1982	47865	36769	7358	279.5	233.6
1983	52646	51206	7579	285.4	244.0
1984	55141	55140	7630	289.1	245.9
1985	55658	55658	7818	297.5	254.2
1986	55356	55356	8056	306.4	261.9
1987	56051	56051	8104	307.1	263.2
1988	56639	56639	8309	315.4	272.6
1989	53826	53826	8709	333.0	284.6
1990	51497	51497	8950	342.5	290.5
1991	55925	55925	9233	344.9	297.2
1992	57254	57254	9517	354.3	303.6
1993	54958	54958	9755	364.5	312.3
1994	55224	55224	9770	357.1	311.9
1995	56333	56333	10073	365.1	319.9
1996	49737	49737	10495	378.5	331.6
1997	48552	48552	10807	389.2	339.5
1998	48525	48525	10799	393.6	340.0
1999	48392	48392	10965	396.0	345.1
2000	47499	47499	11004	400.5	345.1
2001	51567	51567	10868	396.9	338.6
2002	50991	50991	10850	397.1	338.4
2003	48064	48064	11065	403.4	344.0
2004	50559	50559	11094	407.0	345.8
2005	50332	50332	11138	410.6	347.6
2006	48361	48361	11084	414.8	346.3
2007	49922	49922	11308	418.7	351.3
2008	17315	17315	11605	435.4	358.2

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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**Canadian Dairy Network, August 2010**

**Manitoba**

Year	Number of Cows		ME yields		
	Milk Fat	Protein	Milk	Fat	Protein
1975	1021	0	6886	250.2	.
1976	1050	0	7081	258.3	.
1977	1149	1	7069	260.0	148.0
1978	1259	11	7022	260.2	238.5
1979	1490	79	7110	262.3	234.9
1980	1583	130	7212	264.7	231.2
1981	1623	311	7376	272.7	240.1
1982	1702	912	7596	272.5	243.4
1983	1698	1674	7781	275.7	249.9
1984	1920	1919	8043	289.0	260.0
1985	1862	1861	8134	292.5	265.6
1986	2576	2575	8265	300.2	274.1
1987	3901	3901	8331	303.9	273.6
1988	4390	4390	8544	312.0	280.8
1989	4389	4389	8814	325.6	292.6
1990	4564	4564	9045	334.1	297.9
1991	4980	4980	9431	344.8	307.2
1992	4815	4815	9606	347.0	310.8
1993	4491	4491	9844	361.1	318.7
1994	4456	4456	9900	357.5	320.4
1995	4925	4925	10072	361.7	325.9
1996	4794	4794	10400	371.6	336.5
1997	4855	4855	10819	386.0	349.0
1998	4709	4709	10981	386.9	351.3
1999	4813	4813	10943	391.0	348.2
2000	4794	4794	10942	388.9	347.5
2001	4868	4868	10921	388.3	346.4
2002	5073	5073	10769	389.7	339.8
2003	5269	5269	10520	376.3	333.2
2004	4868	4868	10753	392.2	337.9
2005	4943	4943	10854	399.1	340.6
2006	5064	5064	11135	410.7	348.2
2007	4929	4929	11248	412.5	349.2
2008	1824	1824	11447	422.3	354.1

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 Holstein cows**  
**Canadian Dairy Network, August 2010**

**Saskatchewan**

Year	Number of Cows		ME yields		
	Milk Fat	Protein	Milk	Fat	Protein
1975	542	0	7164	257.0	.
1976	604	0	7261	260.2	.
1977	638	0	7110	255.9	.
1978	711	7	7419	265.2	232.1
1979	1032	177	7391	262.7	218.3
1980	1562	713	7232	255.3	226.7
1981	1865	1336	7337	260.7	235.7
1982	1907	1769	7558	269.9	244.9
1983	2277	2228	7700	276.9	250.9
1984	2538	2514	7903	283.9	257.5
1985	2555	2554	8273	297.6	271.4
1986	2964	2964	8417	303.1	278.6
1987	3207	3207	8597	310.0	282.7
1988	3319	3319	8676	315.3	287.8
1989	3473	3473	8680	314.2	286.8
1990	3542	3542	8891	322.3	293.9
1991	3715	3715	9135	329.3	297.9
1992	3635	3635	9467	333.9	303.1
1993	3152	3152	9839	347.7	318.6
1994	3347	3347	9989	351.9	324.3
1995	3669	3669	10265	360.2	332.7
1996	3352	3352	10446	370.3	337.0
1997	3325	3325	10794	384.9	344.9
1998	3468	3468	10978	386.0	351.3
1999	3534	3534	11297	392.1	360.9
2000	3734	3734	11415	401.6	364.0
2001	3979	3979	11326	403.8	360.4
2002	3940	3940	11285	406.7	357.4
2003	3888	3888	11136	398.1	350.2
2004	3984	3984	11332	405.3	356.3
2005	4091	4091	11205	400.1	352.0
2006	4005	4005	11393	405.4	356.2
2007	3544	3544	11785	422.4	366.8
2008	1359	1359	11881	434.7	367.8

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 Holstein cows**  
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**Alberta**

Year	Number of Cows		ME yields		
	Milk Fat	Protein	Milk	Fat	Protein
1975	1380	0	7424	272.0	.
1976	1463	0	7337	272.6	.
1977	1647	0	7319	275.2	.
1978	1906	1	7419	274.2	235.0
1979	2458	253	7487	272.4	239.7
1980	3004	686	7637	277.0	249.2
1981	3931	1527	7733	278.7	248.6
1982	5115	1978	7929	285.5	256.9
1983	7860	2676	8220	295.4	265.6
1984	9261	7735	8320	300.4	274.4
1985	9935	9648	8536	306.0	279.1
1986	11530	11530	8664	309.5	283.1
1987	12313	12313	8738	313.5	284.6
1988	12258	12258	9008	321.4	293.9
1989	11724	11724	9363	333.6	304.0
1990	11682	11682	9649	343.2	311.7
1991	12072	12072	9842	349.3	314.3
1992	12050	12050	10253	359.9	323.2
1993	11623	11623	10465	369.8	334.1
1994	11532	11532	10596	370.1	337.3
1995	11823	11823	10794	372.5	339.7
1996	11306	11306	10930	378.4	345.0
1997	11272	11272	11359	394.7	355.3
1998	11040	11040	11667	401.5	363.7
1999	11492	11492	11803	405.2	370.2
2000	10855	10855	11850	407.4	371.2
2001	12132	12132	11729	408.1	365.5
2002	12829	12829	11578	409.0	360.4
2003	12194	12194	11544	410.3	357.3
2004	12688	12688	11676	416.4	362.1
2005	13445	13445	11667	418.0	363.0
2006	13481	13481	11782	425.0	367.3
2007	13052	13052	12051	439.1	375.3
2008	5065	5065	12312	459.6	379.7

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 Holstein cows**  
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**British Columbia**

Year	Number of Cows		ME yields		
	Milk Fat	Protein	Milk	Fat	Protein
1975	5851	3236	7410	272.8	226.2
1976	5954	3374	7619	279.7	236.5
1977	6818	4091	7678	280.3	241.8
1978	7563	2875	7625	277.0	234.8
1979	9241	3096	7771	276.5	246.6
1980	10032	7659	7967	284.0	250.4
1981	10494	8415	8118	293.1	254.3
1982	11307	10711	8260	298.6	262.1
1983	11618	11611	8595	309.2	273.8
1984	11561	11557	8771	314.6	281.1
1985	11738	11719	8990	321.2	286.8
1986	12240	12210	9139	333.1	292.4
1987	11474	11471	9298	334.3	298.1
1988	12045	12045	9300	336.3	299.6
1989	12130	12130	9564	344.2	307.3
1990	12237	12237	9769	353.5	313.3
1991	12267	12267	10089	362.3	319.8
1992	12158	12158	10367	369.6	325.0
1993	11767	11767	10483	379.3	329.8
1994	11776	11776	10348	372.7	329.0
1995	11810	11810	10649	374.1	337.1
1996	10946	10946	11057	387.1	349.5
1997	9975	9975	11435	402.0	357.6
1998	10383	10383	11502	399.4	362.1
1999	10183	10183	11653	405.0	369.4
2000	10020	10020	11795	407.6	371.2
2001	11101	11101	11863	402.6	368.8
2002	10831	10831	11872	408.8	369.1
2003	10621	10621	11692	409.3	363.8
2004	10147	10147	11835	417.7	370.6
2005	10381	10381	11802	426.0	371.4
2006	10397	10397	11745	431.6	369.7
2007	9675	9675	12070	440.3	378.9
2008	3626	3626	12318	453.9	383.8

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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**Newfoundland**

Year	Number of Cows		ME yields		
	Milk Fat	Protein	Milk	Fat	Protein
1975	71	0	6107	226.0	.
1976	97	0	6442	242.7	.
1977	77	0	5850	225.3	.
1978	72	0	6141	231.3	.
1979	73	4	5672	212.0	178.8
1980	63	6	6240	227.4	207.2
1981	72	10	6100	225.6	200.0
1982	24	8	5960	218.2	196.4
1983	9	9	6613	240.2	216.2
1984	4	4	6850	260.8	218.0
1986	13	13	8260	285.6	269.2
1987	16	16	8798	301.5	300.4
1988	17	17	9219	318.6	314.3
1989	28	28	8917	302.1	316.3
1990	27	27	9023	330.5	308.7
1991	18	18	9666	340.9	329.2
1992	22	22	11182	371.5	364.0
1993	20	20	9908	332.5	324.7
1994	14	14	10400	335.1	343.0
1995	24	24	11044	337.8	360.8
1996	8	8	10714	347.9	328.8
2002	2	2	10586	417.0	364.0
2003	28	28	12433	423.8	389.3
2004	16	16	11991	410.4	384.0
2005	61	61	13428	442.1	425.9
2006	75	75	12225	386.1	381.7
2007	83	83	11485	397.2	358.0
2008	16	16	10605	377.9	332.6

Notes:

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