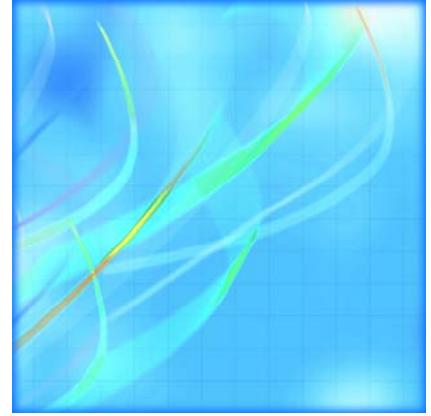


Catalogue no. 23-014-X

# Dairy Statistics

Third quarter 2010



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Statistics Canada  
Agriculture Division  
Livestock and Food Section

# Dairy Statistics

Third quarter 2010

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**Note of appreciation**

*Canada owes the success of its statistical system to a long-standing partnership between Statistics Canada, the citizens of Canada, its businesses, governments and other institutions. Accurate and timely statistical information could not be produced without their continued cooperation and goodwill.*

# User information

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## Symbols

The following standard symbols are used in Statistics Canada publications:

- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
- 0 true zero or a value rounded to zero
- 0s value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
- p preliminary
- r revised
- x suppressed to meet the confidentiality requirements of the *Statistics Act*
- E use with caution
- F too unreliable to be published

**Note: Due to rounding, totals may not add.**

This publication was prepared under the direction of the:

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## Highlights

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- For the 12 month period ending September 30, 2010 Canadian requirements were 51.24 million hectolitres (at 3.6% BF) as determined by the Canadian Milk Supply Management Committee (CMSMC).
- Canadian milk producers sold 7.67 million kilolitres of milk and cream to dairies during the 2009-2010 dairy year, up 1.2% from the same period last year.
- Industrial milk sales, which accounted for 60.8% of all milk sold, totalled 4.66 million kilolitres. Fluid milk sales, at 3.01 million kilolitres.
- Canadian consumers purchased 2.97 million kilolitres of milk and cream during the 2009-2010 dairy year, down 1.1% from last year levels.
- Sales of 2% milk, the most popular, were lower 1233 thousand kilolitres. Sales of 1% milk and skim milk both decreased, at 594 thousand kilolitres and 285 thousand kilolitres respectively. Sales of standard (homogenized) milk at 367 thousand kilolitres declined 1.4%.
- Total cream sales, at 287 thousand kilolitres, increased 3.0% from year-ago levels.
- Butter production, at 82.0 thousand tonnes, decreased 1.8% from year ago levels during the 2009-2010 dairy year.
- Total production of variety and cheddar cheese during the 2009-2010 dairy year increased 1.9% from last year levels.
- Variety cheese production, at 246.4 thousand tonnes and cheddar cheese production, at 137.6 thousand tonnes both increased by 2.0% and 1.5% respectively.

## Introduction

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This publication provides a statistical summary on the dairy industry in Canada and the provinces for current and previous calendar years.

Data include monthly, as well as year-to-date information, on farm sales of milk and cream for fluid and industrial purposes, cash receipts from milk and cream sold off farms, production, stocks, and supply and disposition of creamery butter, cheddar cheese and other dairy products and by-products. Data series are available on a historic basis since 1920.

This publication, *Dairy Statistics*, provides statistical information on the dairy products industry at national and provincial levels. Through co-operation between provincial departments of agriculture, milk marketing boards and Statistics Canada, dairy statistics are collected, compiled, disseminated and analyzed on a monthly basis.

Information on the volume of milk and cream sold off farms and commercial sales of fluid milk and cream by dairies are used by governments and provincial marketing boards in calculating provincial market sharing quota allotment and skim-off credit. These data are also important as an indicator of changes in the supply-managed dairy industry, a major contributor to total farm cash receipts.

# **Analysis**

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## **Canadian requirements**

For the 12 month period ending September 30, 2010 Canadian requirements were 51.24 million hectolitres (at 3.6% BF) as determined by the Canadian Milk Supply Management Committee (CMSMC).

Canadian requirements, which are calculated by the Canadian Dairy Commission (CDC), represent the total demand for industrial milk and cream and are the basis for establishing national Market Sharing Quota (MSQ).

## **Off-farm sales to dairies above last year's level**

Canadian milk producers sold 7.67 million kilolitres of milk and cream to dairies during the 2009-2010 dairy year, up 1.2% from the same period last year. Industrial milk sales, which accounted for 60.8% of all milk sold, totalled 4.66 million kilolitres. Fluid milk sales were at 3.01 million kilolitres.

## **Total sales of milk and cream by dairies decreased**

Canadian consumers purchased 2.97 million kilolitres of milk and cream during the 2009-2010 dairy year, down 1.1% from last year levels.

Sales of 2% milk, the most popular, were lower at almost 1 233 thousand kilolitres. Sales of 1% milk and skim milk both increased, at 594 thousand kilolitres and 285 thousand kilolitres respectively. Sales of standard (homogenized) milk at 367 thousand kilolitres declined 1.4%. Total cream sales, at 287 thousand kilolitres, increased 3.0% from year-ago levels.

## **Butter production below last year's level**

Butter production, at 82.0 thousand tonnes, decreased 1.8% from year ago levels during the 2009-2010 dairy year.

## **Total cheese production increases**

Total production of variety and cheddar cheese during the 2009-2010 dairy year increased 1.9% from last year levels. Variety cheese production, at 246.4 thousand and cheddar cheese production, at 137.6 thousand tonnes, both increased by 2.0% and 1.5% respectively.

## Related products

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### Selected publications from Statistics Canada

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23-001-X      The Dairy Review

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### Selected CANSIM tables from Statistics Canada

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002-0019	Per capita disappearance of major food groups in Canada
003-0007	Supply and disposition of milk products in Canada
003-0008	Cash receipts from milk and cream sold off farms
003-0009	Production of selected butter products
003-0010	Production of selected products, by dairy manufacturers
003-0011	Milk production and utilization
003-0012	Commercial sales of milk and cream
003-0029	Production of concentrated milk products
003-0033	Stocks of specified dairy products
003-0034	Production of butterfat

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### Selected surveys from Statistics Canada

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3430	Dairy Factory Production and Stocks
3431	Inventory Statement of Butter and Cheese
3432	Milk Sold Off Farms and Cash Receipts from the Sale of Milk

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## Selected summary tables from Statistics Canada

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- *Per capita consumption of major food groups*
- *Production of milk and cream, by province*

## **Statistical tables**

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**Table 3-4**  
**Commercial sales of milk and cream — Manitoba**

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
kilolitres													
<b>Standard milk</b>													
2008	746	775	758	876	769	744	869	745	747	875	873	954	9,731
2009	818	746	742	873	697	728	868	736	740	886	467	869	9,170
2010	779	750	767	859	745	740	863	648	803	..	..	..	..
<b>Milk 2%</b>													
2008	2,844	2,908	2,889	3,290	2,856	2,740	3,152	2,699	2,770	3,272	3,266	3,584	36,270
2009	3,091	2,804	2,849	3,273	2,819	2,689	3,071	2,618	2,696	3,255	1,427	3,131	33,723
2010	2,871	2,717	2,847	3,180	2,625	2,733	3,123	2,394	3,018	..	..	..	..
<b>Milk 1%</b>													
2008	2,101	2,147	2,126	2,392	2,106	2,016	2,249	1,998	2,026	2,354	2,351	2,527	26,393
2009	2,231	2,049	2,092	2,372	2,118	1,976	2,212	2,128	2,150	2,348	1,864	2,449	25,989
2010	1,861	1,975	2,094	2,282	2,221	1,986	2,081	4,213	2,171	..	..	..	..
<b>Skim milk</b>													
2008	1,019	1,030	1,027	1,158	1,037	977	1,078	950	980	1,114	1,110	1,181	12,661
2009	1,059	962	1,001	1,133	1,021	969	1,059	931	953	955	693	1,072	11,808
2010	1,017	942	1,011	1,118	1,006	979	1,072	757	1,056	..	..	..	..
<b>Cereal cream</b>													
2008	164	210	209	238	177	170	237	173	201	254	253	278	2,564
2009	210	204	207	250	182	207	239	174	201	248	237	263	2,622
2010	197	195	209	234	207	207	235	214	224	..	..	..	..
<b>Whipping cream</b>													
2008	73	84	100	95	94	92	110	101	88	127	120	152	1,236
2009	80	83	84	124	98	90	112	94	83	138	111	169	1,266
2010	79	86	92	95	98	x	x	x	x	..	..	..	x









**Table 4-1 – continued****Production of selected products and by-products — Canada**

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
tonnes													
<b>Emmental and swiss</b>													
2009	674	644	768	803	702	778	886	690	822	920	645	793	9,125
2010	775	715	780	792	770	850	866	848	860	..	..	..	..
<b>Cottage cheese</b>													
2009	2,480	2,109	2,123	2,513	2,032	2,208	2,366	2,039	2,051	2,166	1,971	2,066	26,124
2010	2,273	2,049	1,978	2,458	1,978	2,142	2,227	2,110	2,328	..	..	..	..
<b>Yogurt</b>													
2009	24,417	24,314	23,902	25,312	24,439	22,880	21,192	23,287	24,416	24,641	22,347	20,354	281,501
2010	23,401	26,280	25,637	24,218	25,764	23,328	21,644	24,271	26,141	..	..	..	..
<b>Whole milk products</b>													
Concentrated whole milk													
2009	2,493	2,223	2,492	2,251	2,129	2,519	2,512	2,023	1,952	1,996	1,595	2,239	26,424
2010	2,906	2,499	2,382	2,057	1,520	1,727	1,523	1,879	1,680	..	..	..	..
Concentrated partly skimmed milk 2%													
2009	417	223	388	335	218	489	536	254	329	363	334	415	4,301
2010	199	231	335	332	398	149	190	237	291	..	..	..	..
Other whole milk products <sup>3</sup>													
2009	1,137	1,095	1,081	1,011	1,039	790	545	662	933	1,515	1,451	998	12,257
2010	942	1,037	1,282	536	810	1,036	705	759	803	..	..	..	..
<b>Milk by-products</b>													
Sweetened concentrated skim milk													
2009	3	114	195	134	134	52	143	129	161	96	129	52	1,342
2010	217	186	243	190	102	97	124	140	271	..	..	..	..
Concentrated skim milk													
2009	200	466	566	567	568	x	x	x	x	x	x	x	x
2010	x	x	x	x	x	x	x	x	x	..	..	..	x
Powdered buttermilk													
2009	229	215	291	155	204	182	132	123	178	230	184	169	2,292
2010	285	193	235	253	227	179	168	146	216	..	..	..	..
Whey powder													
2009	2,010	1,551	1,412	2,469	2,451	2,362	1,995	1,673	1,758	2,174	1,660	2,317	23,832
2010	1,959	1,586	1,569	1,541	1,640	1,600	1,370	1,332	1,520	..	..	..	..
Skim milk powder													
2009	8,072	6,695	7,988	7,458	6,756	6,799	8,185	6,392	6,055	7,263	5,570	6,234	83,467
2010	7,360	5,656	5,145	8,086	7,878	7,380	7,675	5,907	5,494	..	..	..	..

1. Butter includes salted, unsalted (sweet, cultured, flavoured), whipped and reduced -calorie.

2. Includes cheese required to make processed cheese.

3. Includes whole milk powder and sweetened concentrated milk.



**Table 4-4**  
**Production of selected products and by-products — Manitoba**

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
tonnes													
<b>Creamery butter<sup>1</sup></b>													
2009	x	x	x	x	x	x	x	x	x	x	x	x	x
2010	x	x	x	x	x	x	x	x	x	..	..	..	x
<b>Whey butter<sup>1</sup></b>													
2009	x	x	x	x	x	x	x	x	x	x	x	x	x
2010	x	x	x	x	x	x	x	x	x	..	..	..	x
<b>Cheddar cheese<sup>2</sup></b>													
2009	0	1	0	0	0	0	1	1	0	0	0	0	3
2010	0	0	1	0	0	0	x	x	x	..	..	..	x
<b>Speciality cheese<sup>2</sup></b>													
2009	1,104	982	1,236	1,068	1,010	1,066	1,105	1,002	1,028	959	892	990	12,442
2010	995	798	978	1,002	979	971	x	x	x	..	..	..	x

1. Butter includes salted, unsalted (sweet, cultured, flavoured), whipped and reduced -calorie.

2. Includes cheese required to make processed cheese.

**Table 4-5**  
**Production of selected products and by-products — Alberta**

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
tonnes													
<b>Creamery butter<sup>1</sup></b>													
2009	x	x	x	x	x	x	x	x	x	x	x	x	x
2010	x	x	x	x	x	x	x	x	x	..	..	..	x
<b>Whey butter<sup>1</sup></b>													
2009	x	x	x	x	x	x	x	x	x	x	x	x	x
2010	x	x	x	x	x	x	x	x	x	..	..	..	x
<b>Cheddar cheese<sup>2</sup></b>													
2009	x	x	x	x	x	x	x	x	x	x	x	x	x
2010	x	x	x	x	x	x	x	x	x	..	..	..	x
<b>Speciality cheese<sup>2</sup></b>													
2009	514	427	464	531	409	456	523	442	478	547	446	563	5,800
2010	498	416	478	455	369	474	x	x	x	..	..	..	x

1. Butter includes salted, unsalted (sweet, cultured, flavoured), whipped and reduced -calorie.

2. Includes cheese required to make processed cheese.





**Table 5-3**  
**Production of selected products by dairy manufacturers — Other provinces**

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
kilolitres													
<b>Ice cream mix</b>													
2009	2,682	2,808	3,027	4,493	4,922	5,549	5,552	4,244	3,368	3,251	2,574	2,887	45,357
2010	2,570	2,830	3,159	4,524	5,079	5,540	5,972	4,530	3,718	..	..	..	..
<b>Hard ice cream</b>													
2009	4,086	4,192	4,972	5,800	6,091	6,526	6,909	5,587	4,619	5,281	4,241	3,984	62,288
2010	4,146	4,472	5,330	6,055	4,898	6,913	6,885	6,185	4,990	..	..	..	..
<b>Soft ice cream</b>													
2009	328	500	779	2,109	2,651	3,291	3,244	2,109	1,244	575	311	477	17,618
2010	272	310	689	2,009	2,793	2,879	3,525	1,882	1,316	..	..	..	..
<b>Ice cream, total</b>													
2009	4,414	4,692	5,751	7,909	8,742	9,817	10,153	7,696	5,863	5,856	4,552	4,461	79,906
2010	4,418	4,782	6,019	8,064	7,691	9,792	10,410	8,067	6,306	..	..	..	..





**Table 6-4**  
**Stocks of specified dairy products<sup>1</sup> — Manitoba**

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
tonnes												
<b>Total stocks</b>												
Butter												
2009	331	567	526	597	658	651	627	645	500	372	251	170
2010	136	241	129	118	107	109	104	113	113	98	..	..
Cheddar cheese <sup>2</sup>												
2009	454	493	475	410	419	485	454	444	430	509	481	476
2010	474	477	476	411	343	476	486	432	467	459	..	..
<b>Manufactures and government stocks</b>												
Butter	x	x	x	x	x	x	x	x	x	x	x	x
2009	x	x	x	x	x	x	x	x	x	x	..	..
2010	x	x	x	x	x	x	x	x	x	x	..	..
Cheddar cheese <sup>2</sup>												
2009	275	275	275	275	275	275	275	275	275	275	275	275
2010	275	275	275	275	275	275	275	275	275	275	..	275

1. On the first day of the month.
2. Includes cheese required to make processed cheese.

**Table 6-5**  
**Stocks of specified dairy products<sup>1</sup> — Saskatchewan**

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
tonnes												
<b>Total stocks</b>												
Butter												
2009	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	0	0	..	..
Cheddar cheese <sup>2</sup>												
2009	x	x	x	x	x	x	x	x	x	x	x	x
2010	x	x	x	x	x	x	x	x	x	x	..	..
<b>Manufactures and government stocks</b>												
Butter												
2009	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	0	0	..	..
Cheddar cheese <sup>2</sup>												
2009	x	x	x	x	x	x	x	x	x	x	x	x
2010	x	x	x	x	x	x	x	x	x	x	..	..

1. On the first day of the month.
2. Includes cheese required to make processed cheese.









**Table 7-7****Supply and disposition of milk products and by-products, Canada — Partly skimmed concentrated milk 2%**

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
tonnes													
<b>Beginning stocks</b>													
2009	282	266	217	232	237	292	286	316	229	269	230	256	282
2010	268	277	230	279	261	267	268	262	..	..	..	..	..
<b>Production</b>													
2009	417	223	388	335	218	489	536	254	329	363	334	415	4,301
2010	199	231	335	332	398	149	190	237	..	..	..	..	..
<b>Imports</b>													
2009	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	..	..	..	..	..
<b>Supply, total</b>													
2009	699	489	605	567	455	781	822	570	558	632	564	671	7,413
2010	467	508	565	611	659	416	458	499	..	..	..	..	..
<b>Ending stocks</b>													
2009	266	217	232	237	292	286	316	229	269	230	256	268	268
2010	277	230	279	261	267	268	262	259	..	..	..	..	..
<b>Total disposition</b>													
2009	433	272	373	330	163	495	506	341	289	402	308	403	4,315
2010	190	278	286	350	392	148	196	240	..	..	..	..	..
<b>Exports</b>													
2009	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	..	..	..	..	..
<b>Domestic disappearance</b>													
2009	433	272	373	330	163	495	506	341	289	402	308	403	4,315
2010	190	278	286	350	392	148	196	240	..	..	..	..	..



**Table 9**  
**Exports of milk and dairy products, Canada**

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
tonnes													
<b>Milk and cream, not concentrated</b>													
2008	329	293	203	280	203	153	356	280	303	304	158	159	3,022
2009	257	105	85	159	181	286	361	337	419	431	424	497	3,543
2010	269	366	339	444	385	288	248	174	..	..	..	..	..
<b>Milk and cream, concentrated<sup>1</sup></b>													
2008	133	21	0	30	27	26	41	62	19	22	5	26	412
2009	33	20	30	64	39	62	59	64	37	43	490	35	976
2010	38	26	41	54	78	65	96	43	..	..	..	..	..
<b>Skim milk powder</b>													
2008	989	982	936	897	1,070	393	1,116	1,374	474	1,770	91	577	10,669
2009	408	690	601	345	523	1,268	1,465	1,252	894	580	725	1,649	10,401
2010	951	766	648	150	337	516	642	521	..	..	..	..	..
<b>Butter</b>													
2008	2	0	5	14	2	14	0	8	1	1	1	10	60
2009	1	1	38	26	3	0	1	23	1	0	1	27	123
2010	38	1	49	1	151	257	1	89	..	..	..	..	..
<b>Yogurt</b>													
2008	83	115	116	119	147	113	182	127	137	137	144	98	1,517
2009	142	137	138	176	169	157	165	205	170	165	149	100	1,873
2010	172	222	219	254	245	260	244	289	..	..	..	..	..
<b>Ice cream<sup>2</sup></b>													
2008	859	1,412	1,474	1,879	2,609	2,881	2,441	1,904	1,580	942	1,030	750	19,760
2009	1,018	1,560	2,860	3,099	3,530	3,063	3,133	1,866	1,549	1,432	1,072	1,178	25,361
2010	1331	1769	2379	2505	2736	2756	1998	2275	..	..	..	..	..
<b>Cheddar cheese</b>													
2008	245	208	1,260	832	1	38	101	66	19	1,405	484	484	5,144
2009	92	130	518	1,331	240	140	1	219	216	406	672	201	4,165
2010	577	97	201	236	37	87	26	360	..	..	..	..	..
<b>Variety cheese</b>													
2008	536	455	454	419	353	371	454	326	300	373	343	308	4,692
2009	372	439	476	512	455	435	425	498	487	531	529	477	5,636
2010	342	406	455	593	619	578	926	284	..	..	..	..	..
<b>Grated or powdered cheese</b>													
2008	23	1	20	0	0	21	21	61	2	0	1	0	150
2009	2	6	1	1	7	3	1	26	0	1	6	18	72
2010	12	1	39	22	23	60	4	6	..	..	..	..	..
<b>Processed cheese</b>													
2008	3	2	3	2	3	2	1	1	1	1	1	4	22
2009	2	3	4	4	26	4	4	6	3	2	7	3	68
2010	2	4	3	4	5	3	5	4	..	..	..	..	..

1. Concentrated milk and sweetened concentrated milk.

2. Includes novelties.

Source(s): International trade division, Statistics Canada.

## **Volume of milk and cream sold off farms**

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The milk and cream sold off farms series represents total volume, irrespective of the end use, as recorded at the farm gate. Milk and cream sold off farms is destined for either fluid or industrial purposes, and is expressed as actual volume, regardless of the butterfat content. Off farm sales reported here can differ from those reported by the Canadian Dairy Commission (CDC) because the CDC reports standardized volumes (3.6 kilograms of butterfat per hectoliter -- 3.6 B.F. kg/hl).

The volume of fluid milk represents milk sold to dairies at fluid class prices, by province of origin.

Industrial milk includes all milk sold to dairies and dairy processors at industrial class prices, by province of origin. The quantity of cream represents farm separated cream converted to milk equivalent (3.6 B.F. kg/hl) and sold for manufacturing purposes.

Volumes of milk and cream sold off farm are calculated using administrative sources. Along with cash receipts data, each provincial marketing board provides Statistics Canada with volumes of fluid milk and industrial milk and cream sold off farms, on a monthly basis. Milk marketing boards purchase milk from dairy farm operators then sell it to dairies and processors at a price based on class. All transactions are recorded by the boards and Statistics Canada receives the aggregate of these transactions.

As a result of different accounting and recording systems and practices, statistical information reported to Statistics Canada can vary from province to province.

The provincial marketing boards report sales of milk for fluid and industrial purposes to Statistics Canada in kilolitres.

The portion of milk sold off farms for industrial purposes and delivered as cream is reported to Statistics Canada by the Canadian Dairy Commission(CDC) in kilograms of butterfat and converted to milk equivalent (3.6 B.F. kg/hl). Manitoba and Alberta are exceptions in that marketing boards for these two provinces report data for cream sold for industrial purposes.

The data are considered of high quality since the provincial milk marketing boards purchase all milk produced within a province and make payments to producers. Data provided by the boards are also subject to audits and are monitored by the CDC.

The information is also considered high quality because the universe is stable and the response rate is high, however non-sampling errors can occur.

## Sales of fluid milk and cream by dairies

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The sales of fluid milk and cream by dairies provide commercial sales data, both wholesale and retail, at national and provincial levels. These data represent all sales for direct consumption, and include sales to stores, restaurants, hotels and public institutions. The sale data represent the actual quantity of milk sold in each province regardless of the province of origin.

Total commercial sales represent products of various butterfat content. Generally, these products contain less butterfat than that contained in the milk shipped. The series consists of the following dairy commodities: standard milk (3.25% B.F.); 2% partly skimmed milk (including 2% partly skimmed U.H.T. milk); 1% partly skimmed milk; skim milk (less than 0.3% B.F.); buttermilk; chocolate drink (includes chocolate homogenized, chocolate partly skimmed 2% and bubble gum 2% milk); cereal cream (5-10% B.F.); table cream (15-21% B.F.); whipping cream (30-35% B.F.) and sour cream.

Care must be used when comparing the CDC's fluid milk purchases by dairies to that of fluid milk sold off farms to dairies as reported by provincial marketing boards and as found in Table 2. CDC data are usually higher because they include all fluid milk purchased by dairies, including exclusion milk (extra milk needed to produce a certain amount of fluid product i.e. you may need 1.1 litres of full fat milk to produce 1 litre of skim milk). It also makes no allowance for losses in processing. Off farm sales of fluid milk (Table 2) are actual shipments of milk sold off the farm, regardless of butterfat content.

Sales of fluid milk (Table 2) are total sales regardless of province of origin whereas volume of fluid milk sold off farm to dairies (Table 1-1) is reported by province of origin.

The data are collected by monthly surveys mailed to all fluid plants in many of the provinces. Questionnaires are individually tailored to meet the specific data requirements of the provincial departments of agriculture or marketing boards. For some provinces monthly totals are compiled by their marketing boards and provided to the Livestock and Animal Products Section.

The data are considered of high quality because the universe is stable and the response rate is high, however non-sampling errors can occur.

## **Production and stocks**

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Statistics Canada, in cooperation with provincial departments, milk marketing boards and the Canadian Dairy Commission, collects information on production and stocks of specified dairy products and concentrated milk products and by-products. This includes butter and cheese, which are among the key indicators of the performance of the dairy industry.

Production data are collected monthly from provincial surveys of all dairy product processors across Canada. Dairy processors are required to report their monthly production of dairy products and by-products such as butter, cheddar cheese, variety cheeses, cottage cheese, ice cream and ice cream products, whole milk products, milk by-products and yogurts.

Stockholders are requested to provide the level of inventories as of the first business day of the month. These data are collected for a wide variety of dairy products through monthly provincial dairy surveys of all dairy product processors. Stockholders are required to report the commodities on hand in their establishments, or stored elsewhere in specially rented facilities.

The Inventory Statement of Butter and Cheese survey collects monthly statistics on the stocks of butter, whey butter, butter oil, cheddar cheese, variety cheese and process cheese. The information is obtained from public, semi-public and private warehouses along with large retail and wholesale warehouses. Total stocks of these products are generated for Canada and by province, when available.

Surveys are designed to meet the data requirements of both Statistics Canada and the provincial agencies involved in the data collection and processing. Units of measure of products are in metric tonnes, with the exception of products in the ice cream industry, which are measured in kilolitres. Data are collected and released on a monthly basis.

The data are considered of high quality because the universe is stable and the response rate is high, however non-sampling errors can occur.

## **Supply and disposition of dairy products**

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The supply and disposition series provides a monthly overview of the national domestic disappearance of several dairy products. Domestic disappearance data are available for butter, cheddar cheese, variety cheese, process cheese, concentrated milk, skim milk powder and 2% concentrated milk.

Domestic disappearance is the amount of a commodity that is available for all uses in Canada and is a calculated residual obtained from the supply disposition balance sheet. Total supply is obtained by adding beginning stocks, imports and production figures. Total supply minus exports and ending stocks gives a residual amount – domestic disappearance. Domestic disappearance does not represent the total amount of a commodity actually consumed by individuals since it does not account for losses incurred at the retail level. Nor does it include household, cooking and plate loss.

Production and stock data methodology was described in the previous section. Imports and exports of dairy products are obtained from the International Trade Division of Statistics Canada. When goods are imported into or exported from Canada, declarations must be filed with Customs providing a variety of administrative information about the good involved. Statistics are developed from the Customs' administrative records.

Data quality for domestic disappearance is directly related to the quality of the individual components.

Quality statements for the import and export data obtained from International Trade Division can be found in publications from that division.

However, to be made public, the data from the International Trade Division must adhere to the high quality standards set by Statistics Canada.

## Information about CANSIM

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Complete historical series for certain tables in the Dairy Statistics are available on CANSIM. Data for the current month, where applicable, are available on CANSIM at the same time as the advanced information is released in the Daily Bulletin.

The following table is a summary of the relationship between this publication and the tables with dairy data on CANSIM:

### CANSIM tables correspondence

Publication table title	Publication table number	CANSIM table number	Start date: January
Milk production and utilization	1	003-0011	1983
Cash receipts from milk and cream	2	003-0008	1976
Commercial sales of milk and cream	3	003-0012	1977
<b>Production of selected products and by-products</b>			
Butter	4	003-0009	1977
Whey butter	4	003-0009	1977
Cheddar cheese	4	003-0010	1977
Variety cheese	4	003-0010	1977
Selected varieties	4	003-0010	1987
Cottage cheese	4	003-0046, 003-0010	1987
Yogurt	4	003-0046, 003-0010	1987
Whole milk products	4	003-0029	1987
Milk by-products	4	003-0029	
<b>Production of selected products by dairy manufacturers</b>			
Ice cream	5	003-0010	
Ice cream mix	5	003-0010	1977
Selected products	5	003-0010	1977
Stocks of specified dairy products	6	003-0033	1978
<b>Supply and disposition</b>			
Butter	7-1	003-0007	1976
Cheddar cheese	7-2	003-0007	1976
Variety cheese	7-3	003-0007	1976
Processed cheese	7-4	003-0007	1976
Skim milk powder	7-5	003-0007	1977
Concentrated milk	7-6	003-0007	1976
Partly skim concentrated milk (2%)	7-7	003-0007	1976