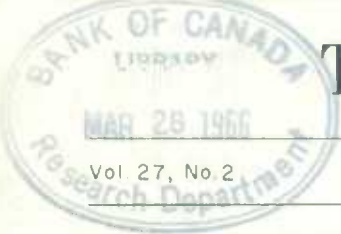


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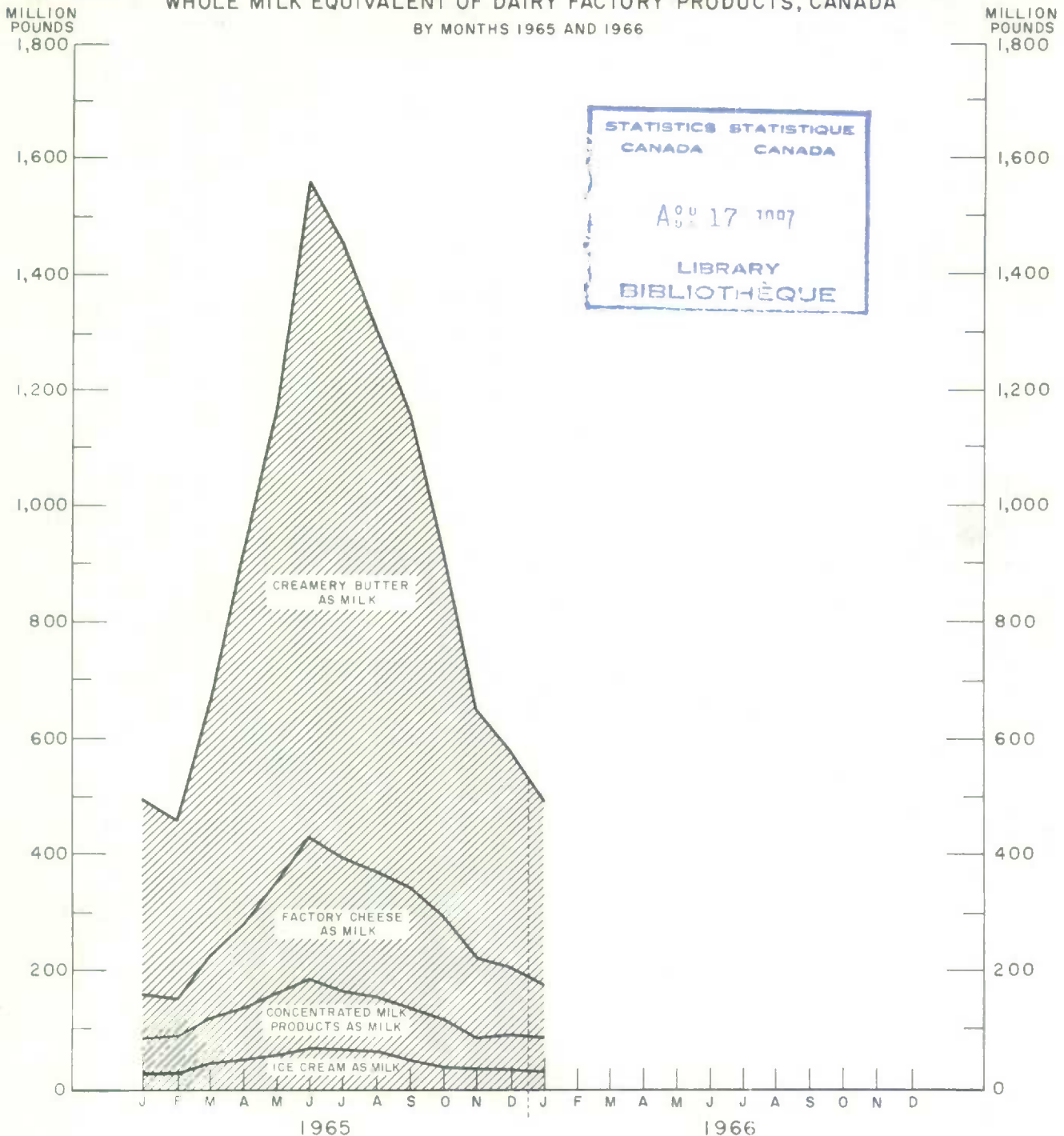
THE DAIRY REVIEW

Vol 27, No. 2

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WHOLE MILK EQUIVALENT OF DAIRY FACTORY PRODUCTS, CANADA
BY MONTHS 1965 AND 1966



MARCH 1966
5503-504

PRELIMINARY INDICATIONS OF THE DAIRY SITUATION, FEBRUARY, 1966

The preliminary estimate of milk produced in February is 982,000,000 pounds. This is 0.7 per cent lower than production in the same month last year and would make the total estimate of production during the first two months of the year 2,029,000,000 pounds. This is 0.9 per cent below production in the January-February period a year ago.

Slightly over 46 per cent of the milk produced in February, or 454,000,000 pounds, was used for dairy factory products. This was 0.1 per cent above factory utilization in February, 1965. Creamery butter production during the month accounted for 301,000,000 pounds of milk, 0.5 per cent less than in February a year ago, while milk used in the manufacture of concentrated whole milk products declined 6.2 per cent. Approximately 6.3 and 4.5 per cent more milk was used for factory cheese and ice cream mix, respectively, than in February, 1965. During January and February, 0.5 per cent less milk was utilized for dairy factory products than in the corresponding period a year ago.

TABLE 1. Preliminary Estimates of Milk Equivalent of Dairy Factory Products, February and January to February, 1965 and 1966

Product	February			January - February		
	1965	1966	Percentage change	1965	1966	Percentage change
	'000 lb.		%	'000 lb.		%
Creamery butter	302,258	300,807	- 0.5	642,540	617,666	- 3.9
Factory cheese	65,027	69,114	+ 6.3	138,401	156,140	+ 12.8
Concentrated whole milk products	56,862	53,331	- 6.2	113,256	112,832	- 0.4
Ice cream mix	29,136	30,437	+ 4.5	57,718	60,145	+ 4.2
Totals	453,283	453,689	+ 0.1	951,915	946,783	- 0.5

Fluid sales of milk and cream during February, for the purpose of the preliminary estimate, are calculated at 412,500,000 pounds, an increase of 0.9 per cent over fluid sales in February, 1965. This assumes the same relationship to year-earlier estimates as for the month of January.

According to indications from the monthly survey of farms keeping milk cows, milk and cream consumed in farm homes was 5.1 per cent below the quantity used in February, 1965, while milk used for livestock feeding was 11.7 per cent below that of a year ago. Reports from farm dairy correspondents participating in the survey, indicate 1.7 per cent fewer cows kept on farms at February 15, and 0.4 per cent less cows being milked than at the same date last year. Milk production per cow, for cows milked on farms in the sample, increased 2.1 per cent above the level at February 15, 1965.

FARM MILK PRODUCTION, UTILIZATION AND CASH RECEIPTS IN JANUARY, 1966

Farm Milk Production: The estimated quantity of milk produced on farms in January amounted to 1,047 million pounds, a decrease of 13 million pounds or 1.2 per cent below that of January, 1965. Of this amount, 493 million pounds or 47 per cent was utilized in factory production, and approximately 431 million pounds or 41 per cent was used for fluid sales.

Fluid Sales: Sales of fluid milk and cream, the latter expressed as milk, amounted to 431 million pounds in January, an increase of approximately 4 million pounds in comparison with January of the previous year. This included about 366 million pounds of fluid milk, comprising about 35 per cent of the farm milk supply, and fluid cream sales of 65 million pounds representing 6 per cent.

Farm Butter: Butter made on farms in January amounted to 263,000 pounds, decreasing 9 per cent from the corresponding month in 1965.

Farm Cash Receipts: Cash receipts from the sale of dairy products in January amounted to \$34,537,000. This represented an increase of 3.0 per cent or \$991,000 in comparison with the same month last year. The weighted average value of \$3.74 per hundred pounds of milk was 12 cents higher than in January, 1965. Fluid milk at \$5.09 per hundred was 8 cents higher than in January, 1965. Creamery butter-fat increased from 73.6 cents to 75.4 cents per pound, and farm butter at 57 cents per pound was the same as in January, 1965. Milk used in manufacture averaged \$3.10 per hundred, 14 cents higher than in January, 1965. Cheese milk increased to \$3.32 per hundred, an increase of 11 cents per hundred in comparison with the same month a year earlier.

Farm cash receipts estimates cover all money received by farmers for the sale of milk, cream and farm butter, including government subsidies and bonuses where applicable. The estimates, however, exclude federal government Supplementary Payments made to producers in 1965 but include premium payments for milk and cream used exclusively for manufacturing purposes in Quebec from October 1, 1964 to December 31, 1965. Farm cash receipts do not make any allowances for costs incurred by farmers in the production of dairy products.

PRODUCTION AND PRICES OF DAIRY PRODUCTS IN JANUARY, 1966

Creamery Butter

Production: Creamery butter production amounted to 13.5 million pounds in January 1966, a decrease of approximately 1.0 million pounds as compared to production in the same month of the previous year.

Stocks: Combined holdings of creamery butter and butter oil (in butter equivalent) in store and transit on February 1, 1966, amounted to 62.8 million pounds, approximately 26.5 million pounds lower than at February 1 last year. On January 1, 1966, stock holdings at 75.3 million pounds were 24.7 million pounds less than at the same date a year earlier.

Supply: The combined quantity of creamery butter and butter oil represented by stocks on January 1, plus production and imports during the month, amounted to 88.8 million pounds of butter at January 31, 1966. This was a decrease of approximately 25.7 million pounds compared to the corresponding supply figure at January 31, 1965.

Domestic Disappearance: The combined domestic disappearance of creamery butter and butter oil in January amounted to 26.0 million pounds of butter, an increase of 0.8 million pounds or 3.1 per cent more than the corresponding figure for the same month last year. On a per capita basis, it amounted to 1.32 pounds as compared with 1.29 pounds in January, 1965.

Prices at Montreal: Butter prices at Montreal, based on dealers' quotations for first grade solids, averaged 56-7/8 cents per pound in January, as against 53 cents in January, 1965.

Cheddar Cheese

Production: Cheddar cheese production in January amounted to approximately 6.3 million pounds, an increase of about 842 thousand pounds compared to production in the same month of the previous year.

Prices: The Belleville price of Ontario coloured cheese averaged 41-3/4 cents per pound in January. The comparative price in 1965 was 38 cents.

Ice Cream Mix

The quantity of ice cream mix manufactured in January was approximately 1.4 million gallons or 121 thousand gallons more than that produced a year ago.

TABLE 2. Milk Production and Utilization, by Province, January, 1965 and 1966

Province and year	Total milk production	Utilization				
		Factory products	Farm butter	Farm-home consumed	Fed to livestock	Fluid sales
thousand pounds						
P.E.I. 1965	10,949	6,987	47	1,610	599	1,706
1966	10,398	6,678	70	1,600	331	1,719
N.S. 1965	24,957	5,820	234	2,070	945	15,888
1966	25,995	7,035	187	1,970	721	16,082
N.B. 1965	20,684	5,364	281	1,880	483	12,676
1966	20,398	4,778	258	1,740	518	13,104
Que. 1965	258,742	107,657	468	17,100	10,300	123,217
1966	267,170	121,375	468	15,300	9,090	120,937
Ont. 1965	447,619	237,592	585	15,900	24,600	168,942
1966	439,708	230,961	632	15,400	20,900	171,815
Man. 1965	61,704	29,095	842	6,970	3,890	20,907
1966	58,202	26,158	749	6,460	3,880	20,955
Sask. 1965	62,352	27,278	2,176	11,900	5,060	15,938
1966	54,694	20,366	1,661	11,300	4,980	16,387
Alta. 1965	109,817	58,818	1,919	11,200	8,660	29,220
1966	102,475	52,146	1,895	10,400	8,190	29,844
B.C. 1965	63,619	20,021	234	1,910	2,430	39,024
1966	68,430	23,597	234	1,900	2,290	40,409
Totals .. 1965	1,060,443	498,632	6,786	70,540	56,967	427,518
1966	1,047,470	493,094	6,154	66,070	50,900	431,252

TABLE 3. Milk Equivalent of Factory Products and Fluid Sales, by Province, January, 1965 and 1966

Province and year	Creamery butter	Cheese(1)	Concentrated whole milk products and ice cream mix(2)	Fluid milk	Fluid cream
thousand pounds of milk					
P.E.I. 1965	4,984	649	1,354	1,525	181
1966	4,774	539	1,365	1,538	181
N.S. 1965	3,580	-	2,240	14,226	1,662
1966	4,657	-	2,378	14,416	1,666
N.B. 1965	4,399	220	745	11,272	1,404
1966	3,814	242	722	11,691	1,413
Que. 1965	63,695	30,411	13,551	104,225	18,992
1966	65,005	38,525	17,845	103,061	17,876
Ont. 1965	153,995	38,915	44,682	145,160	23,782
1966	143,863	44,091	43,007	147,458	24,357
Man. 1965	26,887	726	1,482	16,543	4,364
1966	23,774	824	1,560	16,679	4,276
Sask. 1965	26,863	-	415	13,415	2,523
1966	20,100	-	266	14,004	2,383
Alta. 1965	49,140	1,760	7,918	23,663	5,557
1966	43,571	1,551	7,024	24,382	5,462
B.C. 1965	6,739	693	12,589	32,037	6,987
1966	7,301	1,254	15,042	33,334	7,075
Totals .. 1965	340,282	73,374	84,976	362,066	65,452
1966	316,859	87,026	89,209	366,563	64,689

(1) Includes the milk equivalent of cheddar and other factory cheese made from whole milk and cream.

(2) Combined to avoid disclosing individual company operations.

TABLE 4. Milk Utilization: In Factories, in Dairies and on Farms, as Percentage of Production, by Province, January, 1966

Province	Used in manufacture				Used for fluid sales	Used on farms		
	Creamery butter	Cheese	Conc.milk and ice cream mix	Total		For farm butter	In farm homes	Pail fed to animals
	percentages							
P.E.I.	46	5	13	64	17	1	15	3
N.S.	18	-	9	27	62	1	7	3
N.B.	19	1	3	23	64	1	9	3
Que.	24	14	7	45	45	-	6	4
Ont.	33	10	10	53	39	-	3	5
Man.	41	1	3	45	36	1	11	7
Sask.	37	-	-	37	30	3	21	9
Alta.	43	1	7	51	29	2	10	8
B.C.	11	2	22	35	59	-	3	3
Canada ..	30	8	9	47	41	1	6	5

TABLE 5. Butter Made on Farms, by Province, January, 1961 to 1966

Province	January					
	1966	1965	1964	1963	1962	1961
	'000 lbs.					
P.E.I.	3	2	4	4	3	7
N.S.	8	10	11	16	19	22
N.B.	11	12	17	20	24	29
Que.	20	20	27	54	51	56
Ont.	27	25	39	37	42	64
Man.	32	36	55	64	88	92
Sask.	71	93	121	143	199	239
Alta.	81	82	120	129	143	159
B.C.	10	10	11	17	15	19
Totals ..	263	290	405	484	584	687

TABLE 6. Production Trends as Indicated by Reports in the Farm Survey, Conducted as of the 15th of each Month

A. Cows Milked: Percentage of Total Milk Cows, by Province, December, 1964 and 1965, January and February, 1965 and 1966

Province	December		January		February	
	1965	1964	1966	1965	1966	1965
	percentages					
P.E.I.	69.9	73.5	56.2	64.2	47.3	46.9
N.S.	69.1	65.3	66.2	67.0	66.4	66.1
N.B.	63.7	65.7	56.9	56.4	52.6	51.0
Que.	58.1	57.8	42.2	43.4	36.1	34.5
Ont.	66.6	67.1	63.3	62.7	60.7	60.1
Man.	52.2	55.8	53.4	50.9	55.4	56.5
Sask.	51.8	53.5	50.8	49.8	50.7	51.5
Alta.	58.1	58.0	57.1	57.0	58.3	56.9
B.C.	73.9	72.6	73.3	70.1	72.6	71.6
Canada ..	61.1	61.4	53.5	53.7	50.4	49.7

B. Milk Production Per Cow: Daily Averages for all Cows and for Cows Milked, by Province, January, 1966 and February, 1965 and 1966

Province	All cows			Cows milked		
	January 1966	February 1966	February 1965	January 1966	February 1966	February 1965
	pounds					
P.E.I.	12.4	11.1	10.3	22.1	23.5	22.0
N.S.	16.7	17.2	16.3	25.2	26.0	24.7
N.B.	12.4	12.6	11.4	21.7	23.9	22.4
Que.	8.9	9.0	8.3	21.0	24.9	24.0
Ont.	18.9	19.2	18.9	29.9	31.7	31.4
Man.	15.1	15.9	16.0	28.3	28.8	28.3
Sask.	13.7	14.2	14.4	26.9	28.0	28.0
Alta.	15.3	16.7	16.2	26.9	28.6	28.4
B.C.	23.3	23.3	21.6	31.8	32.2	30.2
Canada ..	14.5	14.8	14.4	26.5	28.7	28.1

TABLE 7. Farm Cash Receipts from the Sale of Milk, Cream and Farm Butter, by Province, January, 1965 and 1966(1)

Province and year	Creamery butter-fat	Cheese milk	Milk for ice cream mix and concentration	Fluid cream	Fluid milk	Farm butter	Total
thousand dollars							
P.E.I. 1965	120	18	41	6	66	-	251
1966	120	16	40	6	67	-	249
N.S. 1965	82	-	63	49	754	1	949
1966	109	-	62	47	765	1	984
N.B. 1965	102	6	25	48	569	2	752
1966	92	7	24	47	588	2	760
Que. 1965	1,928	982	394	469	5,013	1	8,787
1966	2,021	1,283	568	459	4,978	1	9,310
Ont. 1965	3,940	1,250	1,342	585	7,302	1	14,420
1966	3,727	1,473	1,341	665	7,506	1	14,713
Man. 1965	594	22	42	97	804	-	1,559
1966	541	24	50	95	805	1	1,516
Sask. 1965	611	-	10	63	684	1	1,369
1966	466	-	7	60	745	1	1,279
Alta. 1965	1,140	53	231	159	1,148	1	2,732
1966	1,013	48	212	159	1,192	1	2,625
B.C. 1965	157	21	366	391	1,791	1	2,727
1966	179	39	458	424	2,000	1	3,101
Totals .. 1965	8,674	2,352	2,514	1,867	18,131	8	33,546
1966	8,268	2,890	2,762	1,962	18,646	9	34,537

(1) See paragraph 5, page 4, re farm cash receipts.

TABLE 8. Average Farm Values of Butter-fat, Milk and Farm Butter, by Province, January, 1965 and 1966

Province and year	Creamery butter-fat	Cheese milk (1)	Milk for ice cream mix and concentration	Fluid milk	Farm butter	Average of total sales
	per lb. ¢	per cwt. \$	per cwt. \$	per cwt. \$	per lb. ¢	\$ per cwt. of milk
P.E.I. 1965	70.0	2.84	3.07	4.30	55	2.89
1966	73.0	2.94	2.97	4.35	59	2.97
N.S. 1965	66.0	-	2.77	5.30	56	4.36
1966	68.0	-	2.63	5.31	56	4.25
N.B. 1965	67.0	2.65	3.39	5.05	60	4.15
1966	70.0	2.69	3.34	5.03	59	4.23
Que. 1965	87.4(2)	3.23	2.91	4.81	54	3.81
1966	89.8(2)	3.33	3.18	4.83	57	3.84
Ont. 1965	73.9(2)	3.21	3.00	5.03	56	3.55
1966	74.8(2)	3.34	3.12	5.09	57	3.65
Man. 1965	63.8	2.96	2.81	4.86	57	3.12
1966	65.8	2.86	3.20(4)	4.83	58	3.22
Sask. 1965	65.7	-	2.48	5.10	56	3.17
1966	67.0	-	2.52	5.32	56	3.48
Alta. 1965	67.0	3.02	2.92	4.85	56	3.10
1966	67.2	3.11	3.03	4.89	56	3.20
B.C. 1965	67.5(3)	3.06	2.91	5.59	53	4.62
1966	70.8(3)	3.12	3.05	6.00	54	4.84
Canada .. 1965	73.6	3.21	2.96	5.01	57	3.62
1966	75.4	3.32	3.10	5.09	57	3.74

- (1) Includes the milk equivalent of cheddar and other factory cheese made from whole milk and cream.
- (2) Not fully comparable to other provinces, weighted according to relative quantities of milk and cream deliveries.
- (3) Based on class III accounting value. (4) Average values for milk used in ice cream mix based on 10% quota milk and 20% surplus milk from whole milk producers, compared with averages based on manufacturing milk in 1965.

TABLE 9. Creamery Butter: Domestic Disappearance for January and January to December 1957 to 1966

Year	January		January to December	
	Total	Per capita	Total	Per capita
	'000 lb.	lb.	'000 lb.	lb.
1957	25,026	1.51	321,554	19.36
1958	24,504	1.43	312,255	18.28
1959	23,920	1.37	303,059	17.33
1960	19,832	1.11	289,889	16.22
1961	21,877	1.20	288,309	15.81
1962	21,555	1.16	320,752	17.27
1963	26,673	1.41	351,342	18.56
1964	26,690	1.39	357,323	18.54
1965	25,265	1.29	356,455	18.18
1966	26,045	1.32	-	-

TABLE 10. Cheese, Supply and Disposition, Canada, January, 1962 to 1966

Year	Stocks beginning	Production	Imports(1)	Exports(1)	Stocks end	Domestic disappearance
						January
'000 lb.						
Cheddar cheese						
1962	63,993	4,358	-	1,263	60,128	6,960
1963	51,458	4,489	-	1,616	46,258	8,073
1964	57,720	4,966	-	670	53,731	8,285
1965	58,466	5,448	-	2,082	54,256	7,576
1966	61,616	6,290	-	2,785	61,182	3,939
Process cheese						
1962	4,279	4,878	-	22	4,844	4,291
1963	4,232	5,596	-	18	5,099	4,711
1964	6,365	4,997	-	7	6,597	4,758
1965	5,781	5,521	-	15	5,833	5,454
1966	5,596	5,471	-	28	6,232	4,807
Other cheese (hard and soft varieties)						
1965	2,849	1,244	785	2	3,172	1,704
1966	4,252	1,652	(2)	4	3,953	1,947

(1) Data for 1966 are preliminary and subject to revision.

(2) Not yet available.

TABLE 11. Principal Concentrated Milk Products, Supply and Disposition, Canada, January, 1962 to 1966

Year	Stocks beginning	Production	Imports(1)	Exports(1)	Stocks end	Domestic disappearance
						January
'000 lb.						
Evaporated whole milk						
1962	62,158	15,138	-	582	50,536	26,178
1963	41,164	17,952	-	276	32,135	26,705
1964	41,897	19,377	-	604	33,202	27,468
1965	35,965	15,800	-	382	27,749	23,634
1966	39,814	19,515	-	656	32,111	26,562
Partly skimmed evaporated milk						
1962	2,838	1,354	-	-	2,433	1,759
1963	2,159	1,359	-	-	1,872	1,646
1964	1,785	1,319	-	-	1,550	1,554
1965	2,222	1,697	-	-	2,562	1,357
1966	1,647	1,441	-	-	1,657	1,431
Condensed whole milk						
1962	966	1,094	-	-	652	1,408
1963	1,196	1,627	-	-	1,202	1,621
1964	736	1,542	-	-	779	1,499
1965	770	1,319	-	-	949	1,140
1966	882	1,687	-	-	875	1,694
Whole milk powder						
1962	2,565	1,018	7	1,805	1,717	68
1963	3,109	1,912	-	2	3,220	1,799
1964	2,738	1,676	-	2,187	2,283	(2)
1965	3,643	1,526	-	658	4,493	18
1966	2,142	790	-	804	2,007	121
Skim milk powder						
1962	29,875	8,772	-	5,739	27,384	5,524
1963	53,513	8,705	-	3,373	39,107	19,738
1964	20,994	8,425	-	2,166	17,933	9,320
1965	28,496	8,833	-	4,647	24,659	8,023
1966	24,980	9,425	-	7,410	21,119	5,876
Casein						
1962	2,046	561	21	839	1,457	332
1963	2,567	830	19	1,485	1,525	406
1964	1,551	402	47	1,039	975	(2)
1965	1,669	553	17	1,020	1,394	(2)
1966	3,447	608	(3)	632	3,150	273

(1) Data for 1966 are preliminary and subject to revision.

(2) Disappearance for the month cannot be estimated because month-end stocks and exports (with inevitable lag) exceed total supply.

(3) Not yet available.

TABLE 12. Ice Cream: Production of Hard and Soft Types, by Province, February and Cumulative January and February, 1965 and 1966

Province and year	Hard ice cream		Soft ice cream		Total ice cream	
	February	Jan.-Feb.	February	Jan.-Feb.	February	Jan.-Feb.
	thousand gallons					
P.E.I. 1965	18	36	(1)	(1)	18	36
1966	18	36	(1)	(1)	18	36
N.S. 1965	120	238	2	3	122	241
1966	123	253	1	2	124	255
N.B. 1965	72	144	(1)	(1)	72	144
1966	74	146	(1)	(1)	74	146
Que. 1965	649	1,330	5	10	654	1,340
1966	691	1,423	9	14	700	1,437
Ont. 1965	906	1,819	9	17	915	1,836
1966	976	2,012	9	16	985	2,028
Man. 1965	170	326	3	6	173	332
1966	193	355	4	7	197	362
Sask. 1965	149	266	3	8	152	274
1966	121	213	4	5	125	218
Alta. 1965	294	528	11	20	305	548
1966	337	649	17	27	354	676
B.C. 1965	309	554	15	27	324	581
1966	266	523	22	39	288	562
Totals .. 1965	2,687	5,241	48	91	2,735	5,332
1966	2,799	5,610	66	110	2,865	5,720

(1) Less than 500 gallons.

TABLE 13. Production of Other Products in Ice Cream Industry, Canada, February and Cumulative January and February, 1965 and 1966

Year	Milkshake mix		Sherbet		Water ices		Ice milk	
	Feb.	Jan.-Feb.	Feb.	Jan.-Feb.	Feb.	Jan.-Feb.	Feb.	Jan.-Feb.
	thousand gallons							
1965	21.2	42.3	33.9	72.6	92.1	144.5	48.0	93.3
1966	39.0	72.5	42.9	83.9	64.2	108.7	68.5	119.7

TABLE 14. Total Reported Domestic Sales of Skim Milk Powder with Related Price Data, Quebec and Ontario, February, 1966(1)

(Data on Export Sales not included due to disclosure provisions of Statistics Act)

Province and classification	Domestic sales of skim milk powder			
	Total reported	Range of reported prices(2)	Weighted average selling price F.O.B. plant (net)	Price range of "bulk of sales"
	'000 lb.	¢ per lb.	¢ per lb.	¢ per lb.
Quebec:				
Spray	1,518	10.8 - 17.8	15.25	15.1 - 15.5
Roller	829	11.8 - 14.3	13.03	12.1 - 12.5
Feed	47	4.3 - 15.8	8.45	4.1 - 4.5
Ontario:				
Spray	3,419	14.3 - 18.8	15.50	15.1 - 15.5
Roller	1,052	11.8 - 15.8	13.73	13.6 - 14.0
Feed	204	5.3 - 14.8	11.83	10.6 - 11.0

(1) At time of publication reports had not been received from 4 of 66 plants listed as producing in Quebec and Ontario, therefore, the table should not be interpreted as covering total sales in these provinces.

(2) Mid-points of lowest and highest half cent range in which sales were reported.

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