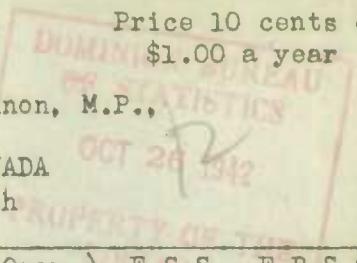


There must be a reduction, and more economical use, of paper, envelopes and labour in respect of the free mailing list. This is the last issue of this publication you will receive, unless you desire to have it continued, in which event you must advise this Department, and give the reason for such continuation. This does not apply to copies going to paid up subscribers.  
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 Fisheries and Animal Products Branch



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PRODUCTION OF CONCENTRATED MILK, CANADA, SEPTEMBER, 1942<sup>x</sup>

Statistics of the production of concentrated milk in Canada in September, 1942, are based on returns from the 67 firms whose factories manufactured during the month any of the various items embraced in the classification of "Concentrated milk", i.e., condensed whole milk and condensed skim milk, evaporated whole milk and evaporated skim milk, whole milk powder and skim milk powder, etc.

1. Concentrated Milk Production for September, 1942, with Comparative Statistics for August, 1942 and September, 1941.

| Kind                                    | September, 1942<br>lb. | August, 1942<br>lb. | September,<br>1941 - lb. |
|---|------------------------|---------------------|--------------------------|
| <u>Concentrated Whole Milk Products</u> |                        |                     |                          |
| Condensed whole milk (sweetened):       |                        |                     |                          |
| Case goods .....                        | 1,269,680              | 2,535,371           | 2,157,573                |
| Bulk goods .....                        | 643,139                | 569,300             | 572,364                  |
| Evaporated whole milk (unsweetened):    |                        |                     |                          |
| Case goods .....                        | 18,785,960             | 19,090,959          | 14,811,782               |
| Bulk goods .....                        | 330,794                | 315,534             | 63,124                   |
| Whole milk powder:                      |                        |                     |                          |
| Spray process .....                     | 953,447                | 1,123,593           | 507,404                  |
| Roller process .....                    | 284,776                | 159,204             | 381,833                  |
| Cream powder .....                      | 2,595                  | -                   | 2,363                    |
| TOTAL .....                             | 22,270,391             | 23,793,961          | 18,496,443               |
| <u>Concentrated Milk By-Products</u>    |                        |                     |                          |
| Condensed skim milk .....               | 486,475                | 539,721             | 395,333                  |
| Evaporated skim milk .....              | 155,930                | 156,135             | 186,151                  |
| Skim milk powder:                       |                        |                     |                          |
| Spray process .....                     | 998,592                | 1,419,709           | 1,332,121                |
| Roller process .....                    | 1,237,845              | 1,405,693           | 981,536                  |
| Sugar of milk .....                     | 25,840                 | 29,545              | 29,980                   |
| Buttermilk powder .....                 | 661,772                | 622,478             | 388,122                  |
| Condensed buttermilk .....              | 122,795                | 83,851              | 304,071                  |
| Casein .....                            | 301,354                | 304,017             | 106,446                  |
| TOTAL .....                             | 3,980,603              | 4,561,149           | 3,723,760                |

2. The Butter-fat Equivalent of the Production of Concentrated Whole Milk, by Items, September, 1942, with Comparative Statistics for August, 1942, and September, 1941.

| Butter fat in:                          | September, 1942<br>lb. | August, 1942<br>lb. | September,<br>1941 - lb. |
|---|------------------------|---------------------|--------------------------|
|   | Butterfat              | Butterfat           | Butterfat                |
| <u>Concentrated Whole Milk Products</u> |                        |                     |                          |
| Condensed whole milk (sweetened):       |                        |                     |                          |
| Case goods .....                        | 101,574                | 202,830             | 172,606                  |
| Bulk goods .....                        | 51,451                 | 45,544              | 45,789                   |
| Evaporated whole milk (unsweetened):    |                        |                     |                          |
| Case goods .....                        | 1,502,877              | 1,527,277           | 1,184,943                |
| Bulk goods .....                        | 26,464                 | 25,243              | 5,050                    |
| Whole milk powder:                      |                        |                     |                          |
| Spray process .....                     | 247,896                | 292,134             | 131,925                  |
| Roller process .....                    | 74,042                 | 41,393              | 99,277                   |
| Cream powder .....                      | 1,868                  | -                   | 1,701                    |
| TOTAL .....                             | 2,006,172              | 2,134,421           | 1,641,291                |

<sup>x</sup> See page 3 for factory sales of milk powders.

THE UNIVERSITY OF CHICAGO  
DEPARTMENT OF CHEMISTRY  
RECORDS

RECORDS OF THE DEPARTMENT OF CHEMISTRY  
FROM 1892 TO 1900

RECORDS OF THE DEPARTMENT OF CHEMISTRY  
FROM 1901 TO 1910

RECORDS OF THE DEPARTMENT OF CHEMISTRY  
FROM 1911 TO 1920

RECORDS OF THE DEPARTMENT OF CHEMISTRY  
FROM 1921 TO 1930

| DATE | DESCRIPTION | INITIALS |
|------|-------------|----------|
| 1921 | ...         | ...      |
| 1922 | ...         | ...      |
| 1923 | ...         | ...      |
| 1924 | ...         | ...      |
| 1925 | ...         | ...      |
| 1926 | ...         | ...      |
| 1927 | ...         | ...      |
| 1928 | ...         | ...      |
| 1929 | ...         | ...      |
| 1930 | ...         | ...      |

| DATE | DESCRIPTION | INITIALS |
|------|-------------|----------|
| 1931 | ...         | ...      |
| 1932 | ...         | ...      |
| 1933 | ...         | ...      |
| 1934 | ...         | ...      |
| 1935 | ...         | ...      |
| 1936 | ...         | ...      |
| 1937 | ...         | ...      |
| 1938 | ...         | ...      |
| 1939 | ...         | ...      |
| 1940 | ...         | ...      |

RECORDS OF THE DEPARTMENT OF CHEMISTRY  
FROM 1941 TO 1950

| DATE | DESCRIPTION | INITIALS |
|------|-------------|----------|
| 1941 | ...         | ...      |
| 1942 | ...         | ...      |
| 1943 | ...         | ...      |
| 1944 | ...         | ...      |
| 1945 | ...         | ...      |
| 1946 | ...         | ...      |
| 1947 | ...         | ...      |
| 1948 | ...         | ...      |
| 1949 | ...         | ...      |
| 1950 | ...         | ...      |

RECORDS OF THE DEPARTMENT OF CHEMISTRY  
FROM 1951 TO 1960



3. Cumulative Production of Concentrated Milk for the Nine Months Ended September 30, 1942, with Comparative Statistics for the Nine Months Ended September 30, 1941.

| Kind                                    | Nine Months Ended September 30 |                    |
|---|--------------------------------|--------------------|
|   | 1942<br>Lb.                    | 1941<br>Lb.        |
| <u>Concentrated Whole Milk Products</u> |                                |                    |
| Condensed whole milk (sweetened):       |                                |                    |
| Case goods .....                        | 12,517,266                     | 13,582,431         |
| Bulk goods .....                        | 5,040,894                      | 4,889,609          |
| Evaporated whole milk (unsweetened):    |                                |                    |
| Case goods .....                        | 147,961,944                    | 136,366,736        |
| Bulk goods .....                        | 2,046,296                      | 1,402,576          |
| Whole milk powder:                      |                                |                    |
| Spray process .....                     | 7,481,421                      | 4,511,863          |
| Roller process .....                    | 1,967,974                      | 2,366,071          |
| Cream powder .....                      | 4,737                          | 11,442             |
| <b>TOTAL</b> .....                      | <b>177,020,532</b>             | <b>162,530,728</b> |
| <u>Concentrated Milk By-Products</u>    |                                |                    |
| Condensed skim milk .....               | 4,657,637                      | 3,586,385          |
| Evaporated skim milk .....              | 1,252,325                      | 1,268,500          |
| Skim milk powder:                       |                                |                    |
| Spray process .....                     | 10,923,524                     | 12,631,941         |
| Roller process .....                    | 11,216,520                     | 9,738,577          |
| Sugar of milk .....                     | 243,520                        | 203,153            |
| Buttermilk powder .....                 | 4,344,846                      | 3,549,419          |
| Condensed buttermilk .....              | 1,191,386                      | 1,376,919          |
| Casein .....                            | 2,371,949                      | 1,067,921          |
| <b>TOTAL</b> .....                      | <b>36,201,707</b>              | <b>33,422,815</b>  |

4. Stocks (a) of Concentrated Milk in Cold Storages, Warehouses, and Dairy Factories October 1, 1942 with Comparative Statistics for September 1, 1942 and October 1, 1941.

| Kind                                    | October 1, 1942<br>Lb. (b) | September 1, 1942<br>Lb. | October 1, 1941<br>Lb. |
|---|----------------------------|--------------------------|------------------------|
| <u>Concentrated Whole Milk Products</u> |                            |                          |                        |
| Condensed whole milk .....              | 3,765,935                  | 3,275,174                | 1,424,923              |
| Evaporated whole milk .....             | 14,829,995(c)              | 21,526,474(c)            | 27,145,085             |
| Whole milk powder:                      |                            |                          |                        |
| Spray process .....                     | 1,977,231                  | 1,927,673                | 620,735                |
| Roller process .....                    | 311,541                    | 306,833                  | 457,716                |
| <b>Total Whole Milk Products</b> .....  | <b>20,884,702</b>          | <b>27,036,154</b>        | <b>29,648,459</b>      |
| <u>Concentrated Milk By-Products</u>    |                            |                          |                        |
| Condensed skim milk .....               | { 210,169                  | { 208,727                | 54,371                 |
| Evaporated skim milk .....              |                            |                          | 6,230                  |
| Skim milk powder:                       |                            |                          |                        |
| Spray process .....                     | 1,229,386                  | 1,396,502                | 1,360,890              |
| Roller process in bags .....            | 1,032,053                  | 917,709                  | 528,805                |
| Roller process in barrels .....         | 906,962                    | 1,191,889                | 757,383                |
| Buttermilk powder .....                 | 322,812                    | 234,766                  | 348,967                |
| Casein .....                            | 1,001,609                  | 848,701                  | 154,055                |
| <b>Total Milk By-Products</b> .....     | <b>4,702,991</b>           | <b>4,798,294</b>         | <b>3,210,701</b>       |

(a) Owned and held by and/or for manufacturers.

(b) Agricultural Branch - Revised to date of October 22, 1942.

(c) In addition there were amounts held by wholesale grocers as follows: 11,442,362 lb. at date of October 1, 1942; and 11,122,722 lb. at date of September 1, 1942.

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REPORT ON THE FACTORY SALES OF MILK POWDERS, CANADA, SEPTEMBER, 1942.

The statistics of the present report are based on returns from the<sup>51</sup> manufacturers whose plants sold during the month any of the various kinds of milk powders and casein.

1. Sales of Milk Powders, September, 1942. (a)

| Kind   | Quantity sold<br>Lb. | Total Value<br>\$ | Average price per lb. (b)<br>cents |
|--|----------------------|-------------------|------------------------------------|
| Whole milk powder (bulk goods):                                |                      |                   |                                    |
| Spray process .....  | 252,797              | 79,813            | 31.57                              |
| Roller process .....   | 108,515              | 24,973            | 23.01                              |
| Buttermilk powder - roller process                             | 452,066              | 36,518            | 8.08                               |
| Skim milk powder (bulk goods):                                 |                      |                   |                                    |
| Spray process .....  | 1,152,774            | 140,492           | 12.19                              |
| Roller process for human consumption .....                     | 1,136,060            | 116,462           | 10.25                              |
| Skim milk powder - roller process for animal consumption ..... | 226,832              | 21,677            | 9.56                               |
| Casein (acid) .....  | 140,398              | 31,264            | 22.27                              |
| Total value .....  | -                    | 451,199           | -                                  |

2. Cumulative Sales of Milk Powders, January to September, 1942, inclusive.

| Kind   | Quantity sold<br>Lb. | Total Value<br>\$ | Average price per lb. (b)<br>cents |
|--|----------------------|-------------------|------------------------------------|
| Whole milk powder (bulk goods):                                |                      |                   |                                    |
| Spray process .....  | 2,319,664            | 744,039           | 32.08                              |
| Roller process .....   | 1,109,100            | 241,003           | 21.73                              |
| Buttermilk powder - roller process                             | 4,347,111            | 367,224           | 8.45                               |
| Skim milk powder (bulk goods):                                 |                      |                   |                                    |
| Spray process .....  | 9,371,625            | 1,105,868         | 11.80                              |
| Roller process for human consumption .....                     | 7,891,375            | 771,799           | 9.78                               |
| Skim milk powder - roller process for animal consumption ..... | 2,876,101            | 250,545           | 8.71                               |
| Casein (acid) .....  | 1,619,333            | 370,871           | 22.90                              |
| Total value .....  | -                    | 3,851,349         | -                                  |

3. Sales of Milk Powders, September, 1941.

| Kind   | Quantity sold<br>Lb. | Total Value<br>\$ | Average price per lb. (b)<br>cents |
|--|----------------------|-------------------|------------------------------------|
| Whole milk powder (bulk goods):                                |                      |                   |                                    |
| Spray process .....  | 131,230              | 37,327            | 28.44                              |
| Roller process .....   | 98,034               | 19,269            | 19.66                              |
| Buttermilk powder - roller process                             | 464,047              | 35,484            | 7.65                               |
| Skim milk powder (bulk goods):                                 |                      |                   |                                    |
| Spray process .....  | 1,263,650            | 137,161           | 10.85                              |
| Roller process for human consumption .....                     | 831,498              | 69,444            | 8.35                               |
| Skim milk powder - roller process for animal consumption ..... | 530,537              | 42,976            | 8.10                               |
| Casein (acid) .....  | 105,765              | 16,753            | 15.84                              |
| Total value .....  | -                    | 358,414           | -                                  |

(a) Comparative statistics for September, 1941, will be found in Table 3 below.

(b) Prices are based on goods as delivered.



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