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MONTHLY

## DAIRY REVIEW OF CANADA

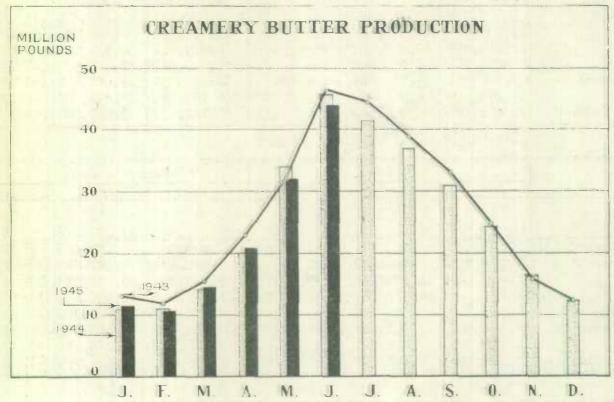
1945

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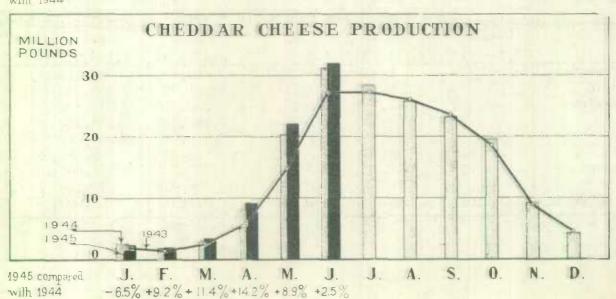
Series No. XIV Report No. 6

June

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1945 compared +5.2% -3.3% + 2.7% +4.0% -6.0% -3.8% with 1944



I. CREAMERY BUTTER, CHEDDAR CHEESE AND ICE CREAM PRODUCTION IN CANADA BY PROVINCES
JUNE AND JANUARY-JUNE, 1944 AND 1945.

|                   |            | CRE!       | MERY BUTTER |                 |             |          |  |  |
|-------------------|------------|------------|-------------|-----------------|-------------|----------|--|--|
| Province          |            | June       |             | January to June |             |          |  |  |
|                   | 1944       | 1945       | % Change    | 1944            | 1945        | % Change |  |  |
|                   | lb.        | lb.        | R           | lb.             | lb.         | %        |  |  |
| CANADA            | 45,655,590 | 43,910,023 | (-) 3.8     | 135,720,434     | 133,317,758 | (-) 1.8  |  |  |
| Prince Edward Is. | 599,485    | 642,075    | (+) 7.1     | 1,361,821       | 1,696,682   | (+) 24.6 |  |  |
| Nova Scotia       | 1,080,265  | 1,079,175  | (-) 0.1     | 3,300,189       | 3,571,831   | (+) 8.2  |  |  |
| New Brunswick     | 1,205,488  | 1,255,580  | (+) 4.2     | 2,895,844       | 3,257,875   | (+) 12.5 |  |  |
| Quebec            | 13,767,055 | 14,339,595 | (+) 4.2     | 30,507,045      | 34,340,855  | (+) 12.6 |  |  |
| Ontario           | 10,614,059 | 10,998,617 | (+) 3.6     | 36,040,812      | 38,537,797  |          |  |  |
| Manitoba          | 4,691,521  | 4,022,942  | (-) 14.3    | 15,819,643      | 12,768,335  | (-) 19.3 |  |  |
| Saskatchewan      | 7,330,081  | 5,764,549  | (-) 21.4    | 24,469,351      | 19,662,027  | (-) 19.6 |  |  |
| Alberta           | 5,496,449  | 4,906,990  | (-) 10.7    | 18,163,592      | 15,872,767  |          |  |  |
| British Columbia  | 871,187    | 900,500    | (+) 3.4     | 3,162,137       | 3,609,589   | (+) 14.2 |  |  |

### CHEDDAR CHEESE

| Province          |            | June       |          | January to June |            |          |  |
|-------------------|------------|------------|----------|-----------------|------------|----------|--|
|                   | 1944       | 1945       | % Change | 1944            | 1945       | % Change |  |
|                   | lb.        | lb.        | %        | lb.             | lb.        | %        |  |
| CANADA            | 31,242,077 | 32,028,075 | (+) 2.5  | 67,343,323      | 71,452,216 | (+) 6.1  |  |
| Prince Edward Is. | 149,426    | 103,861    | (-) 30.5 | 209,708         | 152,403    |          |  |
| New Brunswick     | 238,610    | 244,650    | (+) 2.5  | 461,237         | 481,882    | (+) 4.5  |  |
| Quebec            | 10,927,589 | 11,008,295 | (+) 0.7  | 20,463,205      | 20,730,883 | (+) 1.3  |  |
| Ontario           | 18,605,516 | 19,322,281 | (+) 3.9  | 41,641,608      | 45,645,632 | (+) 9.6  |  |
| Manitoba          | 595,825    | 642,986    | (+) 7.9  | 2,075,753       | 1,821,366  | (-) 12.3 |  |
| Saskatchewan      | 130,584    | 91,000     | (-) 30.3 | 213,696         | 139,674    | (-) 34.6 |  |
| Alberta           | 499,366    | 526,097    | (+) 5.4  | 1,818,112       | 2,058,471  |          |  |
| British Columbia  | 95,161     | 88,905     | (-) 6.6  | 460,004         | 421,905    | (-) 8.3  |  |

### ICE CREAM

| Province          |           | June      |          | January to June |           |          |  |
|-------------------|-----------|-----------|----------|-----------------|-----------|----------|--|
|                   | 1944      | 1945      | % Change | 1944            | 1945      | % Change |  |
|                   | gal.      | gal.      | %        | gal.            | gal.      | %        |  |
| CANADA            | 2,276,141 | 2,261,631 | (-) 0.6  | 8,431,281       | 8,118,844 | (-) 3.7  |  |
| Prince Edward Is. | 9,578     | 8,410     | (-) 12.2 | 40,820          | 38,610    | (-) 5.4  |  |
| Nova Scotia       | 126,076   | 110,426   | (-) 12.4 | 501,980         | 533,552   | (+) 6.3  |  |
| New Brunswick     | 64,329    | 72,994    | (+) 13.5 | 216,316         | 242,934   | (+) 12.3 |  |
| Quebec            | 446,436   | 537,400   | (+) 20.4 | 1,580,848       | 1,686,118 | (+) 6.7  |  |
| Ontario           | 990,654   | 935,832   | (-) 5.5  | 3,718,253       | 3,458,282 | (-) 7.0  |  |
| Manitoba          | 173,810   | 158,594   | (-) 8.8  | 574,485         | 505,682   | (-) 12.0 |  |
| Saskatchewan      | 108,203   | 107,200   | (-) 0.9  | 402,270         | 374,800   | (-) 6.8  |  |
| Alberta           | 150,401   | 135,715   | (-) 9.8  | 568,948         | 495,169   | (-) 13.0 |  |
| British Columbia  | 206,654   | 195,060   | (-) 5.6  | 827,351         | 783,697   | (-) 5.3  |  |

# SUMMARY STATEMENT OF DAIRY PRODUCTION IN CANADA (June, 1945)

CREAMERY BUTTER PRODUCTION in June decreased 3.8 per cent as compared with the cutput for the same month of the preceding year. During the six months January to June, 133 million pounds were produced of which about //4 million pounds were made in June.

Decreases were recorded only in Nova Sctoia and the Prairie Provinces.

DAIRY BUTTER PRODUCTION in May, based on returns from representative groups of Dairy Correspondents was approximately 2.7 per cent less than that produced in the same month of the preceding year and 13.4 per cent more than the April output. The total make in the month of May amounted to 5,107,000 pounds.

WHEY BUTTER PRODUCTION in June amounted to 303,112 pounds, a decrease of nearly 9 per cent as compared with June, 1944. Of this total 247 thousand pounds were produced in Ontario, the remainder in Quebec, Manitoba, Alberta and British Columbia.

CHEDDAR CHEESE PRODUCTION increased approximately 2.5 per cent in June as compared with June, 1944. The monthly make was approximately 32 million pounds, and the total for the six months, January to June amounted to 71 million pounds. The increase in the June make was recorded in all provinces except Prince Edward Island, Saskatchewan and British Columbia.

ICE CREAM PRODUCTION in June amounted to approximately 2 million gallons, approximately the same as the June cutput of 1944. For the six months, January to June, slightly more than 8 million gallons were produced.

CONCENTRATED MILK PRODUCTS manufactured during June registered an increase of approximately 9 per cent as compared with the same month last year. The total production of 41 million pounds included 33 million pounds of Concentrated Whole Milk Products and 8 million pounds of Concentrated Milk By-Products. EVAPORATED MILK, included in the former group, increased approximately 12 per cent as compared with the same month last year. SKIM MILK POWDER, the most important milk by-product, increased approximately 24 per cent.

CREAMERY BUTTER PRICES at Montreal, based on daily quotations of the Canadian Commodity Exchange for the first grade product, averaged just about 34 cents a pound in June, 1945, as compared with 33 cents a year ago. Cheese was unchanged, being 21 cents both last year and this year. Export cheese prices set by the government as from May 1, 1943 at 20 cents a pound for the first grade product, f.c.b. factory or grading station shipping point are still in effect.

The combined output of factory products during the month of June amounted to approximately 1500 million pounds of milk, a decrease of approximately 30 million pounds as compared with the combined make in terms of milk for the same month a year ago. Of the total milk used in manufacture, creamery butter represented 68.3 per cent, cheddar cheese 23.8 per cent, concentrated whole milk products 5.5 per cent and ice cream 2.4 per cent.

The demestic disappearance of creamery butter was approximately 24.6 million pounds in May, representing an increase of 16 per cent from April and a decrease of 2 per cent in comparison with May, 1944. The domestic disappearance of total butter, creamery, dairy and whey, amounted to 29.9 million pounds in May, representing on a per capita basis 2.50 pounds as compared with 2.56 pounds last year.

Table II - PRODUCTION OF CONCENTRATED MILK PRODUCTS IN CANADA JUNE, AND JANUARY-JUNE, 1944 AND 1945.

| Product                                     |  | JUNE   |           | JAN   | NUARY - JUNE                                       |                      |
|---|--|--|-----------|---|--|----------------------|
|   | 19/.4  | 1945   | % Change  | 1944  | 1945   | % Change             |
|   | lb.  | lb.  | H         | lb.   | lb.  | %                    |
| TOTAL ALL PRODUCTS                          | 37,688,983                                     | 41,139,498                                     | (+) 9.2   | 137,837,586                                     | 151,902,882  | (+) 10.2             |
| WHOLE MILK PRODUCTS                         | 31,250,196                                     | 33,198,227                                     | (+) 6.2   | 115,449,535                                     | 123,799,329  | (+) 7.2              |
| Condensed Milk                              | 3,239,083<br>2,152,913                         | 2,445,097<br>1,668,744                         | (-) 22.5  | 15,706,126<br>11,055,672                        | 14,535,149   | (-) 6.4              |
| Bulk  | 1,086,170                                      | 776,353  | (-) 28.5  | 4,650,454                                       | 4,185,630  | (-) 10.0             |
| Evaporated Milk<br>Case<br>Bulk             | 26,123,722<br>25,860,717<br>263,005            | 29,157,139<br>28,798,724<br>358,415            |           | 91,085,253<br>89,487,455<br>1,597,798           | 98,725,597   | (+) 10.3             |
| Whole Milk Powder Spray Roller              | 1,897,391<br>1,124,943<br>772,448              | 1,595,991<br>1,347,725<br>248,266              |           | 8,668,156<br>5,712,535<br>2,955,621             | 7,579,751<br>6,288,000<br>1,291,751                | (+) 10.1             |
| MILK BY-PRODUCTS                            | 6,273,601                                      | 7,880,639                                      | (+) 25.6  | 21,639,843                                      | 27,773,195   | (+) 28.3             |
| Condensed Skim Milk                         | 414,100  | 497,136  | (+) 20.1  | 2,099,716                                       | 2,929,169  | (+) 39.5             |
| Evaporated Skim Milk                        | 294,847  | 366,786  | (+) 24.4  | 1,087,696                                       | 1,322,951  | (+) 21.6             |
| Skim Milk Powder<br>Spray<br>Roller<br>Feed | 4,281,601<br>1,637,201<br>2,540,043<br>104,357 | 5,300,265<br>1,931,122<br>2,954,808<br>414,335 | (+) 18.0  | 13,979,071<br>5,548,719<br>7,961,277<br>469,075 | 18,269,599<br>6,920,703<br>10,068,316<br>1,280,580 | (+) 24.7<br>(+) 26.5 |
| Condensed Buttermilk                        | 49,468   | 370,884  | (+) 649.7 | 916,787   | 1,281,740  | (+) 39.8             |
| Powdered Buttermilk                         | 683,820  | 626,375  | (-) 8.4   | 2,243,523                                       | 1,951,765  | (-) 13.0             |
| Milk Preparations (Baby Foods, etc)         |  | 36,586   | -         | x 2 2 3 - 5 1 - 5                               | 172,511  | 3- 77<br>1-001 y 1   |
| Casein                                      | 549,765  | 682,607  | (+) 24.2  | 1,313,050                                       | 1,845,460  | (+) 40.5             |

NOTE: Malted Milk, Cream Powder and Sugar of Milk being produced by less than three firms, the separate items do not appear on this report. The production is included, however, in the totals shown at the top of the table.

Table III - BUTTER-FAT AND MILK EQUIVALENT OF FACTORY DAIRY PRODUCTION JUNE AND JANUARY - JUNE, 1945

|   | Jı                           | ine, 1945                           |                          | Januar                            | y - June, 1   | 945                      |
|---|------------------------------|-------------------------------------|--------------------------|-----------------------------------|---|--------------------------|
| PRODUCT'  | Butter                       | Milk                                | Per cent<br>of Total     | Butter                            | Milk  | Per cent<br>of Total     |
| **************************************  | '000 lb.                     | '000 lb.                            | %                        | '000 lb.                          | PERSONAL PROPERTY AND PERSONS AND PERSONS ASSESSED. | %                        |
| Creamery Butter   | 35,978                       | 1,027,934                           | 68.3                     | 109,235                           | 3,120,969   | 71.5                     |
| Chedder Cheese  | 12,555                       | 358,714                             | 23.8                     | 28,010                            | 800,265   | 18.3                     |
| Concentrated Milk Products Condensed Whole Milk Evaporated Whole Milk Whole Milk Powder | 2,887<br>195<br>2,245<br>447 | 82,489<br>5,575<br>64,146<br>12,768 | 5.5<br>0.4<br>4.3<br>0.8 | 11,115<br>1,161<br>7,831<br>2,123 | 317,506<br>33,139<br>223,729<br>60,638              | 7.3<br>0.8<br>5.1<br>1.4 |
| Ice Cream   | 1,244                        | 35,530                              | 2.4                      | 4,456                             | 127,547   | 2.9                      |
| TOTAL 1945<br>1944  |                              | 1,504,667<br>1,534,502              | 100.0                    | 152,806<br>152,933                | 4,366,287   | 100.0                    |

Table IV - QUANTITIES AND VALUES OF MILK POWDERS SOLD IN CANADA, MAY AND JANUARY TO MAY, 1944, AND 1945

|                   | Qua        | entity   | Valu                            | ie           | Average Price (1) |       |  |
|-------------------|------------|--|---------------------------------|--------------|-------------------|-------|--|
| PRODUCT           | 1944       | 1945   | 1944                            | 1945         | 1944              | 1945  |  |
|                   |            |  | May                             |              |                   |       |  |
|                   | 1b.        | lb.  | epr                             | \$           | \$                | ¢     |  |
| TOTAL POWDER      |            |  |                                 |              |                   |       |  |
| (All classes)     | 4,571,005  | 4,312,457  | 757,863                         | 731,375      | 16.58             | 16.96 |  |
| Whole Milk Powder | 1,042,554  | 825,865  | 338,030                         | 320,384      | 32.42             | 38.79 |  |
| Spray             | 721,412    | 760,413  | 265,678                         | 303,880      | 36.83             | 39.96 |  |
| Roller            | 321,142    | 65,452   | 72,352                          | 16,504       | 22.53             | 25.22 |  |
| Buttermilk Powder | 382,165    | 287,577  | 35,499                          | 24,342       | 9.29              | 8.46  |  |
| Skimmilk Powder   | 2,923,096  | 2,855,464  | 332,142                         | 302,742      | 11.36             | 10.60 |  |
| Spray             | 957,216    | 1,342,628  | 111,592                         | 151,698      | 11.66             | 11.30 |  |
| Roller            | 1,889,828  | 1,353,083  | 214,106                         | 138,133      | 11.33             | 10.21 |  |
| Feed              | 76,052     | 159,753  | 6,444                           | 12,911       | 8.47              | 8.08  |  |
| Casein (x)        | 223,190    | 343,551  | 52,192                          | 83,907       | 23.38             | 24.42 |  |
| PRODUCT           |            |  | January - M                     | May          |                   |       |  |
| TOTAL POWDER      |            |  |                                 | 4            |                   |       |  |
| (All classes)     | 14,004,995 | 17,633,154   | 2,348,973                       | 3,261,867    | 16.77             | 18.50 |  |
| Whole Milk Powder | 3,540,071  | 4,794,137  | 1,110,728                       | 1,698,522    | 31.38             | 35.43 |  |
| Spray             | 1,837,858  | 3,846,631  |                                 | 1,448,000    | 36.08             | 37.64 |  |
| Roller            | 1,702,213  | 947,506  | 447,569                         | 250,522      | 26.29             | 26.44 |  |
| Buttermilk Powder | 1,398,553  | 1,255,996  | 123,216                         | 108,237      | 8.81              | 8.61  |  |
| Skimmilk Powder   | 8,419,538  | 10,327,352   |                                 | 1,161,990    | 11.43             | 11.25 |  |
| Spray             | 3,388,673  | 4,797,305  | 404,768                         | 571,728      | 11.94             | 11.92 |  |
| Roller<br>Feed    | 4,596,820  | 4,797,305<br>4,841,188<br>688,859  | 404,768<br>514,006<br>43,179    | 530,943      | 9.95              | 10.97 |  |
| Casein            | 646,833    | 1,255,669  | 153,076                         |              | 23.67             | 23.34 |  |
|                   |            | The same and a second s | Anna Contract of the Assessment | Casein separ |                   | ~/•/4 |  |

(1) Prices on a delivered basis.

### REVIEW OF DAIRY PRODUCTION CONDITIONS IN CANADA

(Based on the reports of Dairy Correspondents and Dairy Farm Observers.)

Summary: The backward weather conditions in the months of April and May did not entirely disappear until well on in June; and for a time these conditions seemed to have had an adverse effect on production. Nevertheless, June was a favourable month for dairying and when complete records are available, it is expected that milk production will at least equal that of the same month of 1944. As previously forecast, less milk was produced in May, the output falling exactly 1½ per cent below the quantity produced in the same month of the preceeding year. The decline, however, was confined to the Prairie Provinces, where production dropped from 563 to 475 million pounds, or nearly 16 per cent. Factory deliveries fell 2½ per cent, while a decline of 25 per cent was revealed in the figures for the Prairie Provinces.

The butter supply position offers little opportunity for optimistic speculation. The lack of balance that seems to be developing is due to the decline of milk production in the Prairie Provinces to which reference has just been made. Since the facts of the situation show that 38 per cent of the June make of creamery butter was produced in the Prairie Provinces in 1944 as compared with only 33 per cent during June, 1945, it can be readily realized what this means to the supply position in Canada. It is possible, of course, that the peak production period has not yet been reached on account of the lateness of the season, but there is no indication that the difference in this respect is great enough to balance the deficiencies of the past two months. This means that considerably less butter will be available for building up needed reserves during the summer period as a safeguard against a short stock position during the period of low production in the fall and winter months.

There was excessive moisture in all sections of Eastern Canada, particularly during the first two weeks of the month, while temperatures were inclined to be somewhat below normal during this period. These conditions made it difficult for farmers to complete late plantings of forage crops, but it gave pastures a splendid chance to develop; and with the warm weather that followed, pasture and meadow grass made a very rapid growth. The forage situation is now regarded as being exceedingly favourable in the Eastern Provinces and a heavy crop of hay is being gathered under exceedingly favourable conditions. In the Western Provinces a variable situation exists. In Manitoba forage crops are just recovering from the slow backward spring. In north and west central Saskatchewan and northern Alberts, a lack of moisture has prevailed, although recent rains have greatly benefitted the situation in these areas. The forage situation seems to be quite satisfactory in British Columbia, with the possible exception of Vancouver Island.

Cow holdings in May were reduced by approximately 1 per cent from that of May, 1944. The most significant reductions were in Manitoba and Saskatchewan, with minor declines in Ontario and British Columbia. The percentage of cows milking registered the same general trend, and those due to freshen in subsequent months were reduced in all provinces but British Columbia. While sales during the past few months contributed to this situation, it is evident that the shortage of labour on farms is having a reactionary effect on dairying — particularly is this so where other lines of farming have been profitably developed.

Prince Edward Island: The backward weather reported in April and May continued throughout the greater part of June. Pastures show a splendid growth and a good hay crop is in prospect. On the whole the situation was quite favourable for dairying through the month of June, despite frequent spells of moderately cool weather. The milk flow has been well maintained, and the June-July output is expected to exceed that of the same period in the previous year. Farmers are holding more young stock for milk production. This was indicated in an increase of 5 per cent in cow holdings for the month of May as compared with May, 1944, thus partially offsetting a slight reduction in the percentage of cows being milked (see Table V). Freshenings suffered a set back in May, but on the other hand, the numbers of cows due to calve in future months was greater than those reported in May, 1944. The total farm milk supply advanced nearly 11 per cent; slightly more milk was sold for fluid purposes and greater quantities were used in farm homes than was reported in the same month of the previous year.

Nova Scctia: Wet, cold weather continued to prevail throughout the month of June, but while this situation had an adverse effect on milk production, it was offset by splendid pastures in all parts of the province. In some sections, the grazing is said to be the best in many years. There is also an excellent hay crop and it is believed that the quality will be better than it was last year. Despite heavy sales of cows to the United States and Newfoundland, it is encouraging to observe that the holdings in the month of May were approximately 3 per cent above those of the same month last year. On the other hand, there was a reduction in the percentage milked and freshenings fell below those reported in May, 1944. Late-bred cows were on the increase, however, so that this decline may be reversed in the early autumn. Milk production increased 5 per cent and fluid sales moved up 4 per cent over those of May, 1944. Greater quantities of milk were used in farm homes and delivered to factories advanced 11 per cent. Lesser amounts were employed for livestock feeding and for dairy butter production. The outlook for dairying is now quite favourable, and with the splendid pastures now in prospect, the milk flow is expected to move up to higher levels during the peak period.

New Brunswick: The weather in June was generally cool with heavy precipitation in most parts of the province. However, in Madawaska county the soil was reported to be moderately dry. Pastures are good; an excellent hay crop is in prospect and the milk flow is moving to higher levels, probably exceeding the summer production of a year ago. Correspondents reported an increase of 2 per cent in cow numbers in May, and also an increase in the percentage of cows being milked. Freshenings fell below those of the same month last year, and reports showed that there was no immediate prospect of a change in this situation. The farm milk supply advanced 4 per cent and fluid sales were slightly above those of May, 1944. Farmers appear to be using more milk for consumption but lesser quantities for other purpose Observers are optimistic about the dairy situation in view of the favourable forage conditions, but feel that labour shortages may place some restrictions on production in the late summer and early fall period.

Quebec: Conditions in this province are generally satisfactory for dairying, although the weather was inclined to be rather wet and cold, particularly during the first part of Jun: Pastures are better than they were a year ago and farmers are gathering in an exceptionally heavy tonnage of hay under almost ideal weather conditions. Cows reported on farms at the end of May were up from last year by about 3½ per cent, although the percentage being milked was slightly reduced and freshenings were on the decline. The milk output advanced 5 per cent over that of May, 1944; fluid sales increased 2 per cent, more milk was consumed in farm homes and a substantial reduction in the production of dairy butter was indicated. Observers expect that milk production will be maintained above the 1944 level.

Ontario: There were heavy rains in all parts of this province during the month of June but the excess was not so marked as in the month of May. Pastures made a splendid growth and there promises to be an excellent hay trop. Despite cool weather in June, cows milked well and the total production of milk is expected to be well up from last year. Correspondents reporting for the month of May indicate that the heavy sales of cows during the past few months had some effect on cow holdings, a reduction of approximately 12 per cent being re-

corded as compared with the same month last year. There was also a slight reduction in the percentage of cows being milked. Freshenings were also reduced although the numbers coming into lactation in future months will be greater than those of a year ago. Milk production advanced 5 per cent, and fluid sales increased  $2\frac{1}{2}$  per cent; and strangely enough dairy butter reversed the tendency of previous months, with an increase of 2 per cent over that of May, 1944. Heavy deliveries of milk are being reported, some factories receiving more milk than can be handled with the equipment and labour available. Forage and feed conditions as they now exist offer evidence of a substantial increase in milk production during the mid-summer months as compared with the previous summer season.

Manitoba: Reports indicate that growth of all kinds has been quite late, estimated by observers to be two weeks behind the normal season. Pastures were slow to start and the lateness of the season made it necessary to do considerable supplementary feeding. But in the last couple of weeks conditions have improved very rapidly, although the hay crop is backward and water lying on the land has had a bad effect on alfalfa and sweet clover. The reduction in cow numbers is becoming more and more evident. In the month of May correspondents reported a reduction of approximately 8 per cent in comparison with the same menth last year. However, due to heifers coming into production in April and May the numbers of cows being milked advanced 4 per cent. On the other hand summer freshenings were substantially reduced, so that there is no likelyhood of this latter situation being continued. Milk production dropped nearly 19 per cent below that of May, 1944, and milk consumption showed a reduction of 4 per cent. There is a shortage of labour and observers offer little hope of any change in the adverse production situation which now exists.

Sasketchewan: A period of drought followed the cool, backward weather in the late apring, and dairy farmers are now facing a critical feed situation in some parts of the province. Central and western areas are the most seriously effected, and the removal of stock to more productive grazing lands is now under way. Reports for May showed a reduction of nearly 7 per cent in the numbers of cows on farms and a slight decrease in the percentage being milked. Freshenings were about the same in May, but future freshenings were slightly up from the same month of the previous year. Milk production fell 17 per cent, fluid sales declined 3 per cent and the total milk delivered to factories was 28 per cent less than that used in May, 1944. On the other hand, more dairy butter was produced, thus reversing a situation which has prevailed for a considerable time. The future prospects are not very favourable, and with the shortage of labour in all parts of Canada little improvement is in sight.

Alberta: Variable weather conditions have prevailed this spring and the variations in precipitation were particularly marked during the month of June. Above normal rainfall was reported in the southern part of the province. This was indicated in the reports from the Lethbridge Experimental Station, showing approximately 2 inches up to the 21st of June. Temperatures, however, were lower than in the same month a year ago. There seemed to be sufficient rainfall in the central part of the province, but marked deficiencies were indicated in the northern areas. At Edmonton only 1 inch of rain was recorded since April 1. Pastures are fair to good in the scuthern sections of the province, but in the north they were reported to be the pocrest in many years. Cow numbers showed practically no change in the month of May; percentage milking increased 2 per cent, while future freshenings showed a slight decline. Milk production during the month of May reflected the backward weather and inadequate pasture conditions with a reduction of 12 per cent, and the quantity available for manufacturing dropped 21 per cent as compared with May, 1944. Fluid sales increased approximately 2 per cent, however, and consumption of milk on farms was maintained above the 1944 level. It is possible, however, that the situation in subsequent months may show some improvement, although it is not expected that the summer production will equal that of the previous season.

British Columbia: Cool weather with rain has been general throughout this province with the exception of Vancouver Island, where the weather has been unusually warm. Pastures are generally satisfactory, and dairy production conditions as they now exist throughout the province indicate that milk production will continue above the 1944 level. A one per cent reduction in cow numbers was reported in the month of May as compared with

TABLE V. - PRODUCTION OF MILK PER COW AND PERCENTAGES OF COWS MILKING, REPORTED BY DAIRY CORRESPONDENTS, FOR MAY, 1941 to 1945.

| Province              |        | Milk Production per cow<br>in Pounds per day |      |      |      |      | Percentages of Cows Milking |      |      |      |      | ng   |
|-----------------------|--------|--|------|------|------|------|-----------------------------|------|------|------|------|------|
| 120 Eliganian Company | 1941 1 |  |      |      |      | Av.  | 1941                        | 1942 | 1943 | 1944 | 1945 | Av.  |
| CANADA                | 19.8 2 | 20.2   | 18.0 | 19.7 | 20.2 | 19.6 | 81.8                        | 81.5 | 80.5 | 82.0 | 81.7 | 81.5 |
| Prince Edward Island. | 14.6 1 | 8.0  | 15.8 | 18.8 | 16.3 | 16.6 | 85.1                        | 73.0 | 77.2 | 72.3 | 70.8 | 75.3 |
| Nova Scotia           | 18.0 1 | 9.7  | 20.4 | 16.3 | 17.2 | 16.4 | 82.8                        | 88.2 | 89.4 | 85.4 | 82.6 | 85.4 |
| New Brunswick         | 19.2 2 | 21.3   | 16.7 | 18.7 | 21.0 | 19.1 | 86.3                        | 83.2 | 84.7 | 82.4 | 86.6 | 84.8 |
| Quebec                | 20.2 2 | 21.4   | 15.9 | 20.3 | 20.1 | 19.4 | 88.3                        | 90.4 | 83.4 | 87.8 | 86.7 | 87.3 |
| Ontario               | 20.9 2 | 22.2   | 20.6 | 21.9 | 23.7 | 21.5 | 82.0                        | 81.4 | 82.5 | 85.2 | 83.9 | 82.8 |
| Manitoba              | 19.2 1 | 8.8  | 16.2 | 16.4 | 17.0 | 17.7 | 79.3                        | 74.6 | 77.2 | 74.9 | 78.0 | 77.1 |
| Saskatchewan          | 18.3 1 | 7.4  | 15.9 | 18.1 | 16.7 | 17.2 | 74.6                        | 70.7 | 73.6 | 73.4 | 72.4 | 73.0 |
| Alberta               | 18.9 1 | 9.0  | 20.0 | 18.3 | 18.5 | 18.8 | 71.6                        | 75.8 | 72.5 | 74.6 | 76.2 | 73.8 |
| British Columbia      | 19.6 1 | 19.8   | 19.9 | 20.0 | 21.4 | 20.1 | 83.3                        | 83.3 | 91.2 | 83.7 | 83.6 | 85.0 |

TABLE VI. - PRODUCTION OF DAIRY BUTTER AND WHEY BUTTER IN CANADA, BY PROVINCES, MAY 1943, 1944 AND 1945.

| Province               | DA      | IRY BUTTER |         | WHEY BUTTER |         |         |  |  |
|------------------------|---------|------------|---------|-------------|---------|---------|--|--|
| Froatuce               | 1943    | 1944       | 1945    | 1943        | 1944    | 1945    |  |  |
|                        | 000 lb. | 000 lb.    | 000 lb. | lb.         | lb.     | 1b.     |  |  |
| CANADA                 | 5,439   | 5,249      | 5,107   | 229,804     | 286,906 | 234,567 |  |  |
| Prince Edward Island . | 51      | 53         | 52      | _           |         | I       |  |  |
| Nova Scotia            | 257     | 221        | 205     | -           | -       | 1-2-1-  |  |  |
| New Brunswick          | 500     | 455        | 419     | -           | -       | _       |  |  |
| Quebec                 | 865     | 951        | 856     | 5,309       | 20,370  | 29,060  |  |  |
| Ontario                | 518     | 559        | 570     | 216,419     | 258,426 | 200,000 |  |  |
| Manitoba               | 693     | 658        | 632     | 5,449       | 5,453   | 3,850   |  |  |
| Saskatchewan           | 1,473   | 1,355      | 1,382   | -           |         | -       |  |  |
| Alberta                | 941     | 856        | 847     | 900         | 699     | -       |  |  |
| British Columbia       | 141     | 141        | 1/4     | 1,727       | 1,958   | 1,657   |  |  |

- 10 TABLE VII. - TOTAL MILK PRODUCTION IN CANADA, BY PROVINCES, MAY 1943, 1944, 1945

|                 |      | Total      | Distributio | n of Milk F |          | according |          |
|-----------------|------|------------|-------------|-------------|----------|-----------|----------|
| Province and Y  | ear  | Milk       |             |             | Concen-  |           | Other-   |
|                 |      | Production | Butter (1)  | Cheese (2)  | trated   | 1 ce      | wise     |
|                 |      | 1100000000 |             |             | Products | Cream     | Used (3) |
| HE TO BE THE    |      | ,000 lb.   | ,000 lb.    | ,000 lb.    | ,000 lb. | ,000 lb.  | ,000 lb. |
| CANADA          | 1943 | 1,713 767  | 879,790     | 170,230     | 66,038   | 28,609    | 569,100  |
|                 | 1944 | 1,847,332  | 920,451     | 230,453     | 71,450   | 32,621    | 592,357  |
| Marine and when | 1945 | 1,819,033  | 869,255     | 249,806     | 75,777   | 28,933    | 595,262  |
| Prince Edward   | 1943 | 14,155     | 7,763       | 138         | ner na   | 121       | 6,133    |
| Island          | 1944 | 14,736     | 7,734       | 316         | JAN 15   | 155       | 6,531    |
|                 | 1945 | 16,327     | 9,448       | 239         |          | 138       | 6,502    |
| Nova Scotia     | 1943 | 41,002     | 21,821      | 28          | 459      | 1,448     | 17,246   |
|                 | 1944 | 41,092     | 20,637      | 28          | 853      | 1,735     | 17,839   |
|                 | 1945 | 43,120     | 22,019      | 27          | 1,090    | 1,811     | 18,173   |
| New Brunswick   | 1943 | 43,529     | 27,276      | 1,158       |          | 782       | 14,313   |
|                 | 1944 | 44,533     | 27,428      | 1,503       | _        | 820       | 14,782   |
|                 | 1945 | 46,210     | 28,816      | 1,740       | -        | 765       | 14,889   |
| Quebec          | 1943 | 456,244    | 244,633     | 32,793      | 15,661   | 5,872     | 157,285  |
|                 | 1944 | 509,236    | 254,299     | 66,793      | 18,012   | 6,927     | 163,205  |
|                 | 1945 | 532,818    | 266,599     | 72,456      | 21,184   | 6,472     | 166,077  |
| Ontario         | 1943 | 580,819    | 211,340     | 127,452     | 40,513   | 12,749    | 188,765  |
|                 | 1944 | 611,101    | 209,938     | 148,959     | 42,896   | 14,581    | 194,727  |
|                 | 1945 | 639,890    | 219,456     | 164,931     | 44,814   | 12,331    | 198,358  |
| Manitoba        | 1943 | 136,069    | 95,722      | 4,200       | -        | 1,966     | 34,181   |
|                 | 1944 | 142,501    | 98,677      | 5,884       | Ball 21- | 2,009     | 35,931   |
|                 | 1945 | 115,946    | 75,202      | 4,161       | -        | 1,565     | 35 018   |
| Saskatchewan    | 1943 | 212,433    | 144,663     | 454         |          | 1,326     | 65,990   |
|                 | 1944 | 233,598    | 162,059     | 960         | -        | 1,483     | 69,096   |
|                 | 1945 | 194,767    | 126,519     | 581         | 5 101    | 1,414     | 66,253   |
| Alberta         | 1943 | 172,944    | 109,740     | 3,105       | 2,459    | 1,873     | 55,767   |
|                 | 1944 | 187,073    | 117,767     | 4,886       | 3,216    | 1,965     | 59,239   |
|                 | 1945 | 163,985    | 95,422      | 4,592       | 3,147    | 1,639     | 59,185   |
| British         | 1943 | 56,572     | 16,832      | 902         | 6,946    | 2,472     | 29,420   |
| Columbia        | 1944 | 63,462     | 21,912      | 1,124       | 6,473    | 2,946     | 31,007   |
|                 | 1945 | 65,970     | 25,774      | 1,049       | 5,542    | 2,798     | 30,807   |

<sup>(1)</sup> Represents Creamery Butter (Table I) and Dairy Butter (Table VI) on a milk basis.
(2) Represents Cheddar Cheese (Table I) together with Farm-made Cheese and Factory-produced whole milk Cheese, other than Cheddar, neither of which are shown in this report.
(3) Includes Fluid Sales, Farm-home Consumed and Milk Fed to Livestock, the production of which amounted to 336 million pounds, 148 million pounds and 112 million pounds, respectively, for the whole of Canada, in May, 1945.

### British Columbia (Concluded):

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the same month last year, with a corresponding reduction in the percentages used for milk production. Freshenings showed a substantial increase, however, and it is expected that larger numbers of cows will be available for dairy purposes in future menths. The May production of milk was 4 per cent above that of May, 1944, and the quantity used for manufacturing advanced 9 per cent. Fluid sales were approximately the same as those reported in the same month of 1944.

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