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## CANADA <br> DEPARTMENT OF TRADE AND COMMERCE DOMINION BUREAU OF STATISTICS

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+++ \text { Census of Industry +++ }
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## CONSUMPTION,

# PRODUCTION AND INVENTORIES 

OF RUBBER

APRIL, 1948

$\qquad$

# DEPARTMFNT OF TRADE AND COMMERCE DOMINION BUREAU OF STATISTICS GENERAL MANUFACTURING STATISTICS OTTAWA - CANADA 

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## CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

## APRIL, 1948

Commencing with March 1947, the Dominion Bureau of Statistics undertook the continuance and publication, in a modified form, of the monthly rubber statistics developed during the years of control. Historical tables were prepared, largely from the Rubber Control records, and are included in this report in order that valuable material may thus be presented in a condensed form, and also that relationships may be established for the evaluation of current data. These statistics show clearly, during the later war years, the impact on rubber consumers of the loss of natural rubber supplies, and the consequent growth of the synthetic rubber industry. They also evidence, in the post-war period, the gradually increasing availability of natural rubber, and, since they show consumption by broad end products divisions, changes in the percentages of natural and synthetic consumed in each division may be said to contain inferences as to the suitabilities of each type.

Early publications in this series contained a Rubber Balance Statement, in which an attempt was made to account for all rubber entering or produced in Canada. However, assumptions which were valid during the period of control due to the fact that the movements of the commodity were under direction, are no longer sufficiently reliable to permit the publication of import - export data based on receipts and sales of manufacturers, or to assume that the imports of some specific synthetic by a particular manufacturer represent the total new supply of this synthetic. Nor can the inventories of manufacturers, whether producing or consuming, be considered a total since the reestablishment of normal trade channels indicates dealer inventories outside the scope of an industry survey. Also the quantity of foreign or domestic rubber in transit at the close of any period is not known.

Therefore, the statistics now available monthly, are considered only to represent clearly and accurately (a) the new domestic production of synthetic and reclaim. and the inventories of firms reporting this production, and (b) the total consumption of rubber, whether foreign or domestic, together with inventories, receipts and sales of rubber by consuming manufacturers in all industries. The addition of the two inventories give the total stocks held by industry.

The historical tables have now been revised to omit import-export columns, and the current rubber balance statement has been broken down into (a) and (b) as outlined in the preceding paragraphs.

## CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

However, despite the fact that the total available supply is not known and that it is impossible to relate shipments and receipts, the data given in (b) do ultimately account for the total consumption of rubber in Canada, and should be capable of being co-related with new production and export - import data (as compiled by External Trade Branch, D.B.S.) over a period of months.

The sections showing consumption of rubber, by types, and by end products have not been changed, since they do correctly represent total consumption in each case.

## Section A. Canadian Rubber-Balance Statement

This section includes summary data on natural. synthetic and reclaim rubber, showing stocks, domestic production and domestic consumption. Table l gives yearly averages, 1939-1947, and actual months, October, 1945 to April, 1948. Table 2 gives details for March and April, 1948.

For detailed data for consumption by specific types, and by end products classifications, wherever possible, see Section B, Natural Rubber, Section C, Synthetic Rubber; and Section D, Reclaim Rubber.

Table 1, - Summary Statement of all Rubber Stocks, Domestic Production, Domestic Consumption showing Monthly Averages, 1939-1947, and Actual Monthly Totals, October 1945 to April, 1948.

Weights are given in Long Tons (2,240 pounds)

| Period | Stocks, End of Period |  |  | Domestic Production |  | Domestic Consumption |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Natural | Synthetic | Reclaim | Synthetic | $\begin{aligned} & \mathrm{Re-} \\ & \text { claim } \end{aligned}$ | Natural | Synthetic | Re- <br> claim |
| Monthly Averages |  |  |  |  |  |  |  |  |
| 1939 | n.a. | n.a. | n.a. | - | - | 2,635 | - | 626 |
| 1940 | n. ${ }^{\text {a }}$ | n.a. | n, a. | - | - | 3,083 | - | 703 |
| 1941 | n.a. | n, a. | n.a. | - | - | 4,436 | - | 789 |
| 1942 | n.a. | n, a | 4,560 | - | - | 3,512 | - | 1,042 |
| 1943 | 8,165 | 2,292 | 4,822 | 210 | 392 | 2,434 | 307 | 1,166 |
| 1944 | 5,399 | 3,641 | 3,516 | 2,902 | 263 | 799 | 2,061 | 1.052 |
| 1945 | 3,703 | 4,107 | 2,219 | 3,810 | 276 | 491 | 2,995 | 1,276 |
| 1946 | 3,662 | 5,592 | 2,786 | 4,248 | 331 | 792 | 2,468 | 1,178 |
| 1947 | 6,992 | 4,333 | 2,672 | 3,533 | 344 | 2,690 | 2,432 | 1,360 |

## CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Table 1. - Summary Statement of all Rubber Stocks, Domestic Production, Domestic Consumption showing Monthly Averages, 1939-1947, and Actual Monthly Totals, October, 1945 to April, 1948. - Concluded.

Weights are given in Long Tons (2,240 pounds)

| Period | Stocks, End of Period |  |  | Domestic Production |  | Domestic Consumption |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Natural | $\begin{aligned} & \text { Syn- } \\ & \text { thetic } \end{aligned}$ | $\begin{aligned} & \mathrm{Re-} \\ & \text { claim } \end{aligned}$ | Synthetic | Reclaim | Natural | Synthetic | Reclaim |
| Monthly Totals |  |  |  |  |  |  |  |  |
| 1945 - Oct. | 4,637 | 4,146 | 2,456 | 3,541 | 327 | 395 | 3,206 | 1,483 |
| Nov. ....... | 4,165 | 4,106 | 2,102 | 3,984 | 353 | 473 | 3,613 | 1,559 |
| Dec. ....... |  |  | 2,219 | 3,575 | 249 | 461 | 3,082 | 1,373 |
| 1946 - Jan. ....... | 3,025 | 4,995 | 2,150 | 4,255 | 290 | 674 | 3,446 | 1,525 |
| Feb, ...... | 2,466 | 4,183 | 2,228 | 3,818 | 326 | 707 | 3,356 | 1,400 |
| Miar. ...... | 3,000 | 3,871 | 2,358 | 3,816 | 343 | 835 | 3,741 | 1,537 |
| Apr. | 2,845 | 3,773 | 2,575 | 4,317 | 288 | 817 | 3,808 | 1,503 |
| May ....... | 2,278 | 3,332 | 2,572 | 3,707 | 341 | 938 | 3,699 | 1,418 |
| June ........ | 1,775 | 3,978 | 2,409 | 4,542 | 300 | 702 | 2,946 | 1,363 |
| July | 2,021 | 7,058 | 2,672 | 4,282 | 264 | 172 | 588 | 519 |
| Aug. | 2,929 | 9,045 | 3,054 | 4,570 | 352 | 229 | 530 | 594 |
| Sept | 4,307 | 8,742 | 3,235 | 3,728 | 349 | 294 | 635 | 656 |
| Oct. ......... | 5,752 | 7,734 | 3,530 | 4,526 | 34.4 | 433 | 1,051 | 846 |
| Nov. ......... | 7,661 | 5,829 | 3,194 | 4,634 | 414 | 1,854 | 3,048 | 1,485 |
| Dec. ......... | 5,885 | 4,565 | 3,455 | 4,786 | 356 | 1,850 | 2,768 | 1,292 |
| 1947 - Jan. | 3,729 | 4,316 | 3,195 | 4,408 | 329 | 2,153 | 3,195 | 1,533 |
| Feb. ........ | 2,876 | 4,551 | 3,114 | 4,024 | 330 | 2,224 | 2,823 | 1,463 |
| Mar. ........ | 4,473 | 5,344 | 2,872 | 4,466 | 360 | 2,440 | 2,876 | 1,570 |
| Apr. ....... | 7,187 | 5,473 | 2,931 | 4,628 | 360 | 2,476 | 2,942 | 1,395 |
| May ......... | 9.992 | 4,953 | 2,772 | 3,467 | 359 | 2,643 | 2,889 | 1,438 |
| June ......... | 10,108 | 4,488 | 2,599 | 3,392 | 334 | 2,627 | 2,540 | 1.299 |
| July ......... | 10,045 | 3,733 | 2,629 | 3,480 | 225 | 2,433 | 2,059 | 1,120 |
| Aug. ........ | 9,679 | 4,269 | 2,680 | 3,533 | 298 | 2,192 | 1,719 | 983 |
| Sept. | 8,129 | 3,349 | 2,451 | 1,944 | 337 | 3,226 | 2,113 | 1,393 |
| Oct. ......... | 7,167 | 3,475 | 2,440 | 3,034 | 424 | 3,330 | 2,080 | 1,397 |
| Nov. ......... | 5,260 | 3,846 | 2,093 | 2,953 | 372 | 3,216 | 1,962 | 1,417 |
| Dec. ......... | 5,264 | 4,200 | 2,282 | 3,064 | 397 | 3,314 | 1,980 | 1,314 |
| 1948 - Jan. ......... | 5,739 | 3,921 | 2,246 | 3,648 | 371 | 3,458 | 2,081 | 1,339 |
| Feb. ........ | 5,704 | 4,062 | 2,162 | 3,388 | 388 | 3,474 | 1,886 | 1,216 |
| Mar. ....... | 5,585 | 3,862 | 2,041 | 3,560 | 427 | 3,882 | 1,797 | 1,359 |
| Apr. ........ | 5,833 | 4,074 | 2,181 | 2,787 | 391 | 3,694 | 1,865 | 1,172 |

Note: Poundage of Guayule Rubber included in Natural Rubber totals in on a deresinated basis. All other wild rubber is calculated on a Washed and Dried basis. Also it should be particularly noted that all stocks are taken at the raw level, or the level on which rubber may be used as a material. They would include compound latex purchased for consumption by a manufacturer, but would not include the semi-processed, or finished goods, held in inventory by the manufacturer.

## CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Tablee $2(a)$, NEW SUPPLY, Statement of Manufacturers producing Synthetic and Reclaim Rubber.
(Weight in Long Tons)

| Type of Rubber | Inventory Apeil 1, 1948 | Production | Inventory April 30, 1948 |
| :---: | :---: | :---: | :---: |
| Natural Rubber - |  |  |  |
| Crude Rubibex ............... | - | - | - |
| Natural Latex ............... | 59 | - | 66 |
| Total Natural Rubber.. | 59 | - | 66 |
| Syathetic Rubber - |  |  |  |
| Buna S ...................... | 921 | 2,236 | 1,227 |
| Butyl | 1,260 | 550 | 1,501 |
| Neoprene | 46 | - | 47 |
| All other | 16 | 1 | 13 |
| Todal Symuthic Rubber... | 2,243 | 2.787 | 2,788 |
| Total Natuxal and Synthetic Rubber | 2,302 | 2,787 | 2,854 |
| Reclaim Rubber - |  |  |  |
| Disperatons | 28 | 40 | 34 |
| Other than dispersions.... | 116 | 351 | 137 |
| Total Reclaim Rubber.. | 144 | 391 | 171 |
| GRAND TOTAL ................. | 2,446 | 3,178 | 3,025 |

Table 2(b) = CONSUMPTION. Statement of Manufacturers Consuming Rubber (Weight in Long Tons)

| Type of Rubber | Inventory <br> Apr. 1, <br> 1948 | Receîpts (imports, etc.) | Consumption | Sales (exports, etc.) | Inventary <br> Apr. 30 , 1948 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Natural Rubber - |  |  |  |  |  |
| Crude Rubber | 5,317 | 4,093 | 3,616 | 238 | 5,556 |
| Natural Latex ............... | 209 | 81 | . 78 | 1 | 211 |
| Total Natural Rubber ${ }^{\text {. }}$ | 5,526 | 4,174 | 3,694 | 239 | 5,767 |
| Synthetic Rubber - |  |  |  |  |  |
| Buna S .......n................ | 1,178 | 1,354 | 1,566 | 41 | 925 |
| Butyl ........................... | 294 | 129 | 199 | 4 | 220 |
| Neoprene .................... | 107 | 89 | 91 | - | 105 |
| All other | 40 | 9 | 9 | 4 | 36 |
| Total Synthetic Rubber.. | 1,619 | 1.581 | 1,865 | 49 | 1,286 |
| Total Natural and Synthetic Rubber | 7,145 | 5,755 | 5,559 | 288 | 7,053 |
| Reclsim Rubber - |  |  |  |  |  |
| Dispersions | 77 | 55 | 60 | - | 72 |
| Other than despersions... | 1,820 | 1,230 | 1,112 | - | 1,938 |
| Total Reclaim Rubber ... | 1,897 | 1,285 | 1,172 | - | 2,010 |
| GRAND TOTAL . ............... | 9,042 | 7,040 | 6,731 | 288 | 9,063 |

# CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER 

## Section B. Natural Rubber

The March and April, 1948 consumption of Natural Rubber showing crude rubber and natural latex separately, and arranged according to end products classifications, is shown in Table 5.

Summary Data, by months, April, 1946 to April, 1948 are shown in Table 4, and 1939-1947 yearly totals and monthly averages are given in Table 3. Crude rubber and natural latex do not appear separately in summary tables, but are combined under the heading "Natural".

For summary data on Synthetics, Natural and other rubber stocks, domestic production, domestic consumption, expressed in long tons, see Table 1. However, when comparing monthly consumption of natural rubber, as given in Table 1, with consumption as shown in detailed tables by end product classification, it should be noted that in Table 1, Guayule Rubber is reduced to a deresinated basis, whereas in the detailed tables it is included at the weight reported by the firms. Commencing with March 1, 1947, poundage Guayule included in all tables is on a deresinated basis, and totals should, therefore, agree.

Table 3. - Consumption of Natural Rubber in Total and Showing Monthly Averages, 1939-1947

| Year | Total | Monthly Averages |
| :---: | :---: | :---: |
| Year | Pounds | Pounds |
| 1939 | 70,828,800 | 5,902,400 |
| 1940 | 82,871,040 | 6,905,920 |
| 1941 | 119,239,680 | 9,936,640 |
| 1942 | 94,402,560 | 7,866,880 |
| 1943 | 65,425,920 | 5,452,160 |
| 1944 | 21,477,120 | 1,789,760 |
| 1945 | 13,198,080 | 1,099,840 |
| 1946 | 21,459,286 | 1,788,273 |
| 1947 | 72,294,000 | 6,024,500 |

Table 4. - Consumption of Natural Rubber in Total, by Znd Products, and by Months, April, 1946 and April, 1948 , Showing also percentage of Natural to All Synthetic and Natural Consumed.

|  |  | Natural |  | Used in the manufacture of - |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Total | Percontage of all rubber | Tires and tubes | Repairs Materials | Mechanical Goods | Wire and cable | Footrear | Other Products |
| 1946 |  | 000's pounds | Por cont | 000's pounds | 000's pound 8 | $000^{\text {s }}$ pounds | 000's pounds | 000's pounds | $000^{\text {is }}$ pounds |
|  | - April ...... | 1.855 | 17.85 | 1,214 | 26 | 145 | 14 | 405 | 50 |
|  | May ........ | 2,116 | 20.54 | 1,404 | 33 | 139 | 18 | 448 | $74$ |
|  | June ....... | 1,576 | 29.26 | 964 | 26 | 114 | 26 | 380 | 67 |
|  | July . . . . . | 388 | 22.72 | 98 | 4 | 38 | 9 | 193 | 45 |
|  | August ..... | 513 | 30.21 | 154 | 3 | 50 | 11 | 225 | 71 |
|  | September .. | 658 | 31.64 | 252 | 13 | 70 | 13 | 248 | 62 |
|  | October .... | 970 | 29.18 | 488 | 15 | 95 | 13 | 283 | 76 |
|  | November . . . | 4,163 | 37.89 | 3,373 | 37 | 230 | 25 | 411 | 88 |
|  | December ... | 4,145 | 40.06 | 3,311 | 65 | 225 | 25 | 413 | 106 |
| 1947 | - January .... | 4,824 | 40.26 | 3,925 | 56 | 256 | 20 | 436 | 130 |
|  | Fobruary ... | 4,982 | 44.06 | 3,990 | 50 | 290 | 24 | 507 | 119 |
|  | March ...... | 5,465 | 45.89 | 4,275 | 42 | 323 | 22 | 624 | 178 |
|  | April ...... | 5,546 | 45.69 | 4,375 | 42 | 302 | 25 | 612 | 190 |
|  | May ........ | 5,921 | 47.78 | 4,473 | 30 | 354 | 35 | 792 | 237 |
|  | June ....... | 5,885 | 50.84 | 4,361 | 39 | 387 | 45 | 788 | 265 |
|  | July ....... | 5,448 | 54.16 | 4.133 | 36 | 410 | 14 | 641 | 214 |
|  | August..... | 4,909 | 56.03 | 3.285 | 38 | 366 | 36 | 962 | 222 |
|  | September . . | 7,228 | 60.42 | 5.240 | 47 | 581 | 53 | 991 | 316 |
|  | October .... | 7,459 | 61.44 | 5,348 | 56 | 701 | 83 | 939 | 332 |
|  | November ... | 7,205 | 62.10 | 5,303 | 56 | 593 | 59 | 884 | 310 |
|  | December ... | 7.422 | 62.59 | 5,545 | 57 | 623 | 92 | 813 | 292 |
| 1948 | - January .... | 7,744 | 62.41 | 5,636 |  | (2) | 88 | 898 | 1.122 |
|  | February ... | 7.782 | 64.82 | 5.743 | (1) | (2) | 71 | 958 | 1,010 |
|  | March ...... | 8.695 | 68.36 | 6,215 | (1) | (2) | 90 | 1.115 | 1,275 |
|  | April ...... | 8,275 | 66.44 | 5,952 | (1) | (2) | 102 | 1,130 | 1,091 |

(1) Included with "tires and tubes". (2) Included with "other products".

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Table 5(a). - Consumption of Natural Rubber, by Types and by End Product Classification, April, 1948.

| End Products | Crude Rubber (excluding latex) | Latex | Total Crude and Latex |
| :---: | :---: | :---: | :---: |
|  | Pounds | Pounds | Pounds |
| 1. Tires and tubes, including tire repair materials ............... | 5,897,293 | 54,551 | 5,951,844 |
| 2. Wire and cable | 102,217 | - | 102,217 |
| 3. Footwear (including heels, soles, etc.) ....................... | 1,127,979 | 2,102 | 1,130,081 |
| 4. Other products | 972,386 | 119,062 | 1,091,448 |
| TOTAL | 8,099,875 | 175,715 | 8,275,590 |

Table 5(b). - Consumption of Natural Rubber, by Types and by End Product Classification, March, 1948.

End Products

Crude Rubber (excluding latex)

Latex Total Crude and Latex

Pounds

6,189,858
89,967
25,085
6,214,943
2. Wire and cable $\qquad$
Pounds
Pounds

1. Tires and tubes, including tire repair materials $\qquad$ 89,967
2. Footwear (including heels,
$\qquad$
3. Other products $\qquad$

TOTAL
$1,113,195$
2,202
$1,115,397$
$1,095,693$
179,503
1,275,196

8,488,713
206,790
8,695,503

Tire repair materials, now included with tires and tubes, and mechanical goods, now included with other products, were shown separately previous to January.1948. The present grouping is by arrangement with the Rubber Association of Canada.

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## Section C. Synthetic Rubber

The March and April, 1948 consumption of Synthetic Rubber is shown by type, and by end products classification, in Table 9.

Summary data, by months, April 1946 to April 1948, are shown in Tables 7 and 8, while 1943-1947 yearly totals and monthly averages are given in Table 6 .

For summary data on Synthetic and other rubber stocks, domestic production, domestic consumption, expressed in long tons, see Table 1 .

Table 6. - Consumption of Synthetic Rubber in Total and showing Monthly Averages, 1943 - 1947.

| Year | Total | Monthly Average |
| :---: | :---: | :---: |
| 1943 | $8,252,160$ pounds | 687,680 pounds |
| 1944 | 55,399,680 * | 4,616,640 |
| 1945 | 80,505,600 | 6,708,800 |
| 1946 | 66,357.973 | 5,529,831 |
| 1947 | $65,367,660$ | 5,447,305 |

Table 7. - Consumption of Synthetic Rubber, by Types and by Months, April, 1946 to April, 1948.

| Month | Buna S | Butyl | Neoprene | Other | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Pounds | Pounds | Pounds | Pounds | Pounds |
| 1946 - April | 7,273,779 | 991,946 | 248,640 | 28,544 | 8,535,909 |
| May | 6,945,265 | 1,030,234 | 277,760 | 35,315 | $8,288,574$ |
| June .............. | 5,515,190 | 819,974 | 253,120 | 19,177 | 6,607,461 |
| Iuly | 1,064,494 | 79,115 | 165,760 | 8,567 | 1,317,936 |
| August | 973.814 | 62,611 | 143,360 | 6,022 | 1,185,707 |
| September | 1,138,981 | 1088720 | 170,240 | 4,355 | 1,422,296 |
| October | 1,921,885 | 246,885 | 176,960 | 9,066 | 2,354,796 |
| November | 5,548:222 | 1,029,746 | 237,440 | 10,268 | 6,825,676 |
| December | 5,000,720 | 953,020 | 237,680 | 10,639 | 6,202,059 |
| 1947 - January | 5,710,124 | 1,199,032 | 230,720 | 18,173 | 7,158,049 |
| February | 5,034,216 | 1,095,348 | 176,960 | 18,814 | 6,325,338 |
| March | 5,122,804 | 1,001,714 | 241,890 | 76,249 | 6,442,657 |
| April | 5,201,926 | 1,162,252 | 217,750 | 9,477 | 6,591,405 |
| May | 5,135,107 | 1,092,810 | 225:866 | 16,464 | 6,470,247 |
| June | 4,447,404 | 960,038 | 219,914 | 63,014 | 5,690,370 |
| July ................ | 3,689,525 | 759,452 | 146,944 | 15,129 | 4,611,050 |
| August .............. | 3,059,955 | 665,754 | 116,599 | 10,323 | 3,852,631 |
| September | 3,661,306 | 882,330 | 177,278 | 13,099 | 4,734,013 |
| Oftober | 3,607,668 | 858,690 | 174,591 | 18,630 | 4,659,579 |
| November .nowne | 3,394,278 | 815,672 | 169,987 | 16,585 | 4,396,522 |
| December . 0.0 .0 | 3,380,775 | 925,781 | 122,208 | 7,035 | 4,435,799 |
| 1948 - January | 3,593,044 | 923,787 | 130,949 | 16.929 | 4,664,709 |
| February | 3,320,024 | 733,907 | 146,740 | 22.880 | 4.223,551 |
| March | 3,373,629 | 460,765 | 165,141 | 26,268 | 4,025,803 |
|  | 3,508,423 | 446,890 | 204,995 | 20,493 | 4,180,801 |

Table 8. - Consumption of Synthetic Rubber, in Total, by End Products, and by Months, April, 1946 - April, 1948 Showing also Percentage of Synthetic to all Natural and Synthetic Consumed.

| Month | Synthetic Rubber |  | Used in the Manufacture of - |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Percentage of all rubber | Tires and tubes | Repair Materials | Mechanical Goods | fire and cable | Footwesr | Other Products |
|  | 000's pounds | Per cent | 000 s pounds | 000's pounds | $000^{\prime} \mathrm{s}$ <br> pounds | 000's pounds $s$ | 000's pounds | 000 s <br> pounds |
| 1946 - April | 8,536 | 82.15 | 6,771 | 47 | 784 | 133 | 338 | 463 |
| May ........ | 8,289 | 79.66 | 6,368 | 79 | 736 | 163 | 449 | 494 |
| June ....... | 6,607 | 70.74 | 4,894 | 86 | 646 | 162 | 379 | 441 |
| July | 1,318 | 77.28 | 399 | 6 | 294 | 104 | 140 | 375 |
| August | 1,186 | 69.78 | 213 | - | 204 | 121 | 204 | 443 |
| Soptember | 1,422 | 68.36 | 407 | 14 | 250 | 130 | 206 | 415 |
| October .... | 2,355 | 70.82 | 1,039 | 29 | 388 | 150 | 253 | 497 |
| November ... | 6,826 | 62.11 | 5,125 | 112 | 723 | 141 | 271 | 454 |
| December .. | 6,202 | 59.94 | 4,566 | 108 | 637 | 162 | 298 | 430 |
| 1947 - January .... | 7,158 | 59.74 | 5,194 | 95 | 849 | 183 | 377 | 459 |
| February ... | 6,325 | 55.94 | 4,828 | 91 | 474 | 164 | 375 | 395 |
| March ...... | 6,443 | 54.11 | 4,717 | 63 | 670 | 168 | 519 | 306 |
| April ...... | 6,591 | 54.31 | 4,774 | 69 | 646 | 165 | 575 | 362 |
| May . ....... | 6,470 | 52.22 | 4,877 | 51 | 586 | 231 | 401 | 325 |
| June ....... | 5,690 | 49.16 | 4,340 | 37 | 616 | 164 | 210 | 324 |
| July ....... | 4.611 | 45.84 | 3,532 | 37 | 446 | 114 | 307 | 175 |
| August ..... | 3,853 | 43.97 | 2,876 | 33 | 311 | 155 | 314 | 183 |
| September .. | 4,734 | 39.58 | 3.370 | 37 | 517 | 208 | 378 | 224 |
| October .... | 4.660 | 38.45 | 3,385 | 27 | 436 | 190 | 365 | 257 |
| November ... | 4,397 | 37.90 | 3,158 | 45 | 368 | 253 | 323 | 250 |
| December ... | 4,436 | 37.41 | 3,381 | 61 | 334 | 157 | 314 | 189 |
| 1948 - January .... | 4,665 | 37.59 | 3,495 | (1) | (2) | 203 | 365 | 602 |
| February ... | 4.223 | 35.18 | 3,076 | (1) | (2) | 183 | 364 | 600 |
| March ...... | 4,026 | 31.64 | 2,830 | (1) | (2) | 256 | 338 | 602 |
| April ...... | 4,181 | 33.56 | 2,981 | (1) | (2) | 254 | 310 | 636 |

(1) Included with "tires and tubes" (2) Included with "other products".

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Table 9(a), - Consumption of Synthetic Rubber, by Types and by End Product Classification, April, 1948.

| End Products | Buna S | Butyl | Neoprene | Other | Total Synthetic |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Pounds | Pounds | Pounds | Pounds | Pounds |
| 1. Tires and tubes, including tire repair materials . | $2,542,233$ | 438,147 | 349 |  | 2,980,729 |
| 2. Wire and cable | 196,874 | - | 57,041 | - | 253,915 |
| 3. Footwear (including heels, soles, etc.) | 305,034 | - | 4,638 | 120 | 309,792 |
| 4. Other products | 464,282 | 8,743 | 142,967 | 20,373 | 636,365 |
| TOTAL | 3,508,423 | 446,890 | 204,995 | 20,493 | 4,180,801 |

$\begin{aligned} \text { Table } 9(b) .- & \text { Consumption of Synthetic Rubber, by Types and by } \\ & \text { End Product Classification. March } 1948 .\end{aligned}$

| End Products | Buna S | Butyl | Neoprene | Other | Total Synthetic |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Pounds | Pounds | Pounds | Pounds | Pounds |
| 1. Tires and tubes, including tire repair materials .. | 2,375,503 | 453,867 | 299 | - | 2,829,669 |
| 2. Wire and cable | 199,305 | - | 56,831 | - | 256,136 |
| 3. Footwear (including heels, soles, etc.) | 337,302 | 190 | 4 758 | - | 338,250 |
| 4. Other products | 461,519 | 6,708 | 107,253 | 26,268 | 601,748 |
| TOTAL ................. | 3,373,629 | 460,765 | 165,141 | 26,268 | 4,025,803 |

Tire repair materials, now included with tires and tubes, and mechanical goods, now included with other products, were shown separately previous to January 1948. The present grouping is by arrangement with The Rubber Association of Canada.

## CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section D. Reclaim Rubber

No end product consumption data are available for Reclaim Rubber. However, Reclaim is usually classified as (a) Dispersions, and (b) Other than dispersions. This breakdown gives some broad indication of the end product use. "Other than Dispersions" would compare with crude rubber, while "Dispersions" would compare with natural latex.
(In general, dispersions are mechanical dispersions of rubber, resins or reclaim, the products being similar to compound latex. Basically, they are a suspension of rubber or resin in water. Natural rubber latex could be considered as the "classic material", and the others as later developments that come about through necessity of advancing technological knowledge. They are used where latex was, might be, or could be used.)

Tables 10 and 11 give the consumption of Reclaim, in total, for the years 1939-1947 with monthly averages for each year and broken down into Dispersions and Other than Dispersions, by actual months, July, 1945 to April, 1948.

For summary data on Reclaim, Synthetic, and other rubber stocks, domestic production, domestic consumption, expressed in long tons, see Table 1.

Table 10. - Consumption of Reclaim Rubber in Total, and by Monthly Averages, 1939-1947.

| Year | Total | Monthly <br> Averages |
| :---: | :---: | :---: |
| 1939 | 16,826,880 | 1,402,240 |
| 1940 | 18,896,640 | 1,574,720 |
| 1941 | 21,208,320 | 1,767,360 |
| 1942 | 28,008,960 | 2,334,080 |
| 1943 | 31,342,080 | 2,611,840 |
| 1944 | 28,277,760 | 2,356,480 |
| 1945 | 34,298,880 | 2,858,240 |
| 1946 | 31,673,600 | 2,639,467 |
| 1947 | 36,418,788 | 3,034,899 |

## CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Table 11. - Consumption of Reclaim Rubber, by Types and by Months, July, 1945 to April, 1948.

| Month | Total | Dispersions | Other than Dispersions |
| :---: | :---: | :---: | :---: |
|  | Pounds | Pounds | Pounds |
| 1945 - July | 2,246,720 | 125,440 | 2,121,280 |
| August | 2,502,080 | 112,000 | 2,390,080 |
| September ........ | 3,039,680 | 132,160 | 2,907,520 |
| October ............. | 3,321,920 | 116,480 | 3,205,440 |
| November ......... | 3,492,160 | 132,160 | 3,360,000 |
| December .......... | 3,075,520 | 109,760 | 2,965,760 |
| 1946 - January .o.......... | 3,416,000 | 145,600 | 3,270,400 |
| February .......... | 3,136,000 | 134,400 | 3,001,600 |
| March ,............ | 3,442,880 | 132,160 | 3,310,720 |
| April | 3,371,200 | 129,920 | 3,241,280 |
| May ................ | 3,176,320 | 132,160 | 3,044,160 |
| June ............... | 3,053,120 | 89,600 | 2,963,520 |
| July | 1,162,560 | 4,480 | 1,158,080 |
| August .............. | 1,330,560 | 2.240 | 1,328,320 |
| September .......... | 1,469,440 | 4,480 | 1,464,960 |
| October ............ | 1,895,040 | 33,600 | 1,861,440 |
| November | 3,326,400 | 138,880 | 3,187,520 |
| December ......... | 2,894,080 | 116,480 | 2,777,600 |
| 1947 - January .......... | 3,433,920 | 147,840 | 3,286,080 |
| February .......... | 3,277,120 | 129,920 | 3,147,200 |
| March .............. | 3,515,749 | 134,392 | 3,381,357 |
| April | 3,124,794 | 202,416 | 2,922,378 |
| May | 3,221,826 | 168,592 | 3,053,234 |
| June .................. | 2,910,604 | 166,105 | 2,744,499 |
| July .................. | 2,510,217 | 144,393 | 2,365,824 |
| August ............. | 2,202,171 | 130,975 | 2,071,196 |
| September ......... | 3,122,228 | 158,296 | 2,963,932 |
| October ............ | 3,129,432 | 145,241 | 2,984,191 |
| November .......... | 3,174,704 | 140,170 | 3,034,534 |
| December .......... | 2,943,863 | 125,594 | 2,818,269 |
| 1948 - January ............ | 3,000,043 | 113,948 | 2,886,095 |
| February .......... | 2,723,907 | 115,805 | 2,608,102 |
| March .............. | 3,043,157 | 149,175 | 2,893,982 |
| April | 2,627,289 | 135,727 | 2,491,562 |

