

Price \$2.00 per year.

## CONSUMPIION, PRODUCTION ANL INVENTORIES OF RUBBER

December, 1950

The statistics mace available monthly in this report are considered only to represent clearly and accurately (a) the new domestic production of synthetic and reclaim rubber, and the inventories of firms reporting production and (b) the tatel consumption of all types of rukber, natural, synthetic and reclaim, whetrer foreien or domestic, by broad end product use grourings, together with inventories, receipts and sales of rulber by consuning manuiacturers in all industries. The adaition of the tro inventories gives the total stocks held by inaustry.

It is regretted that comparable export-import data cannot ke secured each month, and that, therefore, the total available supply is not accurately knom. However, the data given in (b) do ultinately account for the total consumption of rubber in Canada, and shoula be capakle of being correlated with new production and export-import data (as compiled by the External Trade Branch, D.B.S.) over a period of months.

Consumption of rubber in Decenber, 1950 as compared with November, 1950, shows an increase in natural of 244,586 pounds, an increase in synthetic of 122,101 pounds, and an increase in reclaim of 3,226 pounds, the totel increase being 370,013 pounds. Consicering the situation in termis of end product use, it may be noted that the consumption of all rubber in the production of tires and tubes, including tire repair materials, increased by 502, 215 pounds, consumption in rubber footwear decreasea ky 384,434 pounds, in wire and cable decreased by 79,810 pounds, and in other products increased by 332,042 pounds, making the total increase of 370,013 pounds mentioned above.

Prepared in General Wanufectures Section.

## CONSUMPTION, PRODUCTION AND INVENTORIES OE RUBBER

## Section A. Summary Data

This section includes summary data on natural, synthetic and reclaim rubber showing stocas, domestic production and domestic consumption. For more detailed data of 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, 1939-1950, and Actual Monthiy totals, January 1950 to December 1950.

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


## CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Table 2 (a). - NEW SUPPLY. Statement of Nanufacturers Producing Synthetic and Reclaim (Veight in Long Tons)

| Type of Rubber | Inventory Deceraber 1, 1950 | Production | Inventory <br> December 31, 1950 |
| :---: | :---: | :---: | :---: |
| Naturul Rubber - |  |  |  |
| Cruae Rutber ............... | - | - | - |
| Natural Latex | 11 | - | 69 |
| Total Natural Rubber ... | 11 | - | 69 |
| Synthetic Rubber - |  |  |  |
| Buna-S .................... | 602 | 3,476 | 670 |
| Butyl ........................ | 323 | 1,217 | 394 |
| Neoprene . . . . . .............. | 24 | = | 39 |
| All other . .................. | 371 | 550 | 401 |
| Total Synthatic Rubler . | 1,320 | 5,243 | 1,504 |
| Total Naturel and Synthetic. | 1,321 | 5,243 | 1,573 |
| Reclaim Rubber - |  |  |  |
| Dispersions ................ | 45 | 53 | 58 |
| Other than uispersions ..... | 120 | 396 | 113 |
| Total Reclaim Rubber ... | 165 | 449 | 171 |
| GRAND TOTAL .................. | 1,496 | 5,692 | 1,744 |

Table 2 (b). - CONSUMPIION. Statement of Manufacturers Consuming Rubber (Veight in Long Tons)

| Type of Rubber | Inventory <br> Dec. 1, 1950 | Receipts (imports, etc.) | Con-sumption | Sules <br> (Enports, etc.) | Inventory Dec. 31, 1950 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Natural Rubber - |  |  |  |  |  |
| Crucie Rubber.. | 3,263 | 4,180 | 4,274 | 6 | 3,163 |
| Natural Latex | 172 | 258 | 232 | 9 | 189 |
| Total Natural Rubber | 3,435 | 4,438 | 4,506 | 15 | 3,352 |
| Synthetic Rubber - |  |  |  |  |  |
| Buna-S, Solid | 1,072 | 1,527 | 1,576 | 1 | 1,022 |
| Buna-S, Latex | 41 | 62 | 48 | 16 | 39 |
| Buna-N | 16 | 9 | 13 | - | 12 |
| Butyl | 219 | 433 | 395 | - | 257 |
| Neoprene | 135 | 100 | 103 | 2 | 130 |
| All other | 47 | 44 | 34 | 6 | 51 |
| Total Synthetic | 1,530 | 2,175 | 2,163 | 25 | 1,511 |
| Total Natural and Synthetic | 4,965 | 6,613 | 6,675 | 40 | 4,863 |
| Reclaim Rubber - |  |  |  |  |  |
| Dispersions | 95 | 70 | 58 | 7 | 100 |
| Other than dispersions | 1.380 | 1.420 | 1,323 | 1 | 1,484 |
| Total Reclaim Rubber | 1,483 | 1,490 | 1,331 | 8 | 1,584 |
| GKand total | 6,448 | 3,103 | 8,056 | 48 | 6,447 |

## CONSUMPIION, PROLUCTION AND INVENTORIES OF RUEBER

Section A. Summary Data - Concluad
Table 3 (a). - Consumption of all Rubber, by Main Types ana by End Product Classification, December, 1950

| Ena Products | Natural | Synthetic | Reclaim | Total <br> All Rubber |
| :---: | :---: | :---: | :---: | :---: |
|  | Pounds | Younds | Pounds | Pounds |
| 1. Tires, tubes and tire repair materials ........... | 7,112,530 | 3,050,072 | 1,544,822 | 11,707,424 |
| 2. Vire and cable ............ | 69,023 | 313,935 | 15,039 | 397,937 |
| 3. Footwear (including heels, soles, etc.) ................. | 983,042 | 495,268 | 297,732 | 1,776,042 |
| 4. Other products ............ | 1,928,975 | 1,002,770 | 1,236,536 | 4,168,281 |
| TOTAL .......... | 10,093,570 | 4,862,045 | 3,094,129 | 18,049,744 |

Table 3 (b). - Consumption of All Rubver, by Main Types and by End Product Classification, November, 1950.

| End Products | Natural | Synthetic | Reclaim | Total <br> All Rubber |
| :---: | :---: | :---: | :---: | :---: |
|  | Pounds | Pounds | Founds | Pounds |
| 1. Tires, tutes and tire repair materials | 7,003,683 | 2,774,176 | 1,427,344 | 11,205,209 |
| 2. Wire and cable | 68,043 | 388,946 | 20,812 | 477,807 |
| 3. Footwear (inclucing heels, soles, etc.) ............... | 1,112,946 | 744,351 | 303,173 | 2,160,476 |
| 4. Other products ............ | 1,664,300 | 832,471 | 1,339,468 | 3,836,239 |
| TOTAL ........... | 9,848,984 | 4,739,944 | 3,090,803 | 17,679,731 |

## CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

## Section B2 Natural Rubber

The November 1950 and December 1950 consumption of Natural Rubber, showing crude rubber and natural latex separately, and arranged according to end products classifications is shown in Tables 6 (a) and 6 (b).

Summary Data, by months January 1950 to December 1950, are shown in Table 5, and 1933 - 1950 yearly totals, montinly averages and percentages of natural rubber to ail rubber consumed, are given in Table 4. Crude rubber and natural latex do not appear separately in summary tables, but are combined under the heading "Natural". For summary data on Natural and other rubber stocks, domestic production and domestic consumption, expressed in long tons, see Table l.

Table 4. - Consumption of Natural Rubber in Total, showing Monthly Averages 1939-1950 and percentages of Natural to All Rubber Consumed.

| Year | Total | Monthiy Average | Percentage to all Rubber |
| :---: | :---: | :---: | :---: |
|  | Pounds | Pounds | \% |
| 1933 | 70,823,800 | 3,902,400 | 80.8 |
| 1940 | 82,871,040 | 6,305,920 | 81.4 |
| 1941 | 119,239,630 | 9,936,640 | 84.3 |
| 1942 | 94,402,560 | 7,866,880 | 77.1 |
| 1943 | 65,425,920 | 5,452,160 | 62.3 |
| 1944 | 21,477,120 | 1,789,760 | 20.4 |
| 1945 | 13,198,080 | 1,099,840 | 10.3 |
| 1946 | 21,469,268 | 1,788,273 | 17.8 |
| 1947 | 72,294,000 | 6,024,500 | 41.5 |
| 1948 | 33,113,676 | 7,753,473 | 54.8 |
| 1949 | 85,730,432 | 7,143,203 | 56.2 |
| 1950 | 103,305,446 | 8,608,787 | 55.8 |

Table 5. - Consumption of Natural Rubber in Total, by End Producta, and by Months, January 1950 to December 1950, showing also percentage of Natural to All Rubber Consumed.

| Year and Month |  | Natural |  | Used in the Manufacture of - |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Total | Percentage of All Rubber | $\begin{aligned} & \text { Tres } \\ & \text { and } \\ & \text { Tubes } \end{aligned}$ | Wire and cable | Footwear | Other Products |
| 1950 |  | 0001 s pounds | Per cent | 000 's pounds | $000^{\prime} \mathrm{s}$ pounds | 000's pounds | 000 's pounds |
|  | - January | 8,083 | 58.3 | 5,561 | 90 | 819 | 1,613 |
|  | February. | 8,265 | 57.7 | 5,658 | 76 | 955 | 1,598 |
|  | March ... | 8,772 | 53.1 | 5,849 | 95 | 1,031 | 1,737 |
|  | April ... | 7,790 | 56.3 | 5,245 | 65 | 944 | 1,536 |
|  | May ..... | 8,036 | 54.7 | 5,450 | 80 | 967 | 1,539 |
|  | June .... | 9,052 | 57.0 | 6,472 | 64 | 967 | 1,549 |
|  | July .... | 8,122 | 56.9 | 6,005 | 48 | 640 | 1,429 |
|  | August . . | 6,898 | 51.3 | 4,414 | 78 | 908 | 1,498 |
|  | September | 8,484 | 52.4 | 5,815 | 56 | 1,061 | 1,552 |
|  | October . | 9,860 | 55.3 | 7,060 | 67 | 1,033 | 1,700 |
|  | November. | 9,849 | 55.7 | 7,004 | 68 | 1,113 | 1,664 |
|  | December | 10,093 | 55.9 | 7,112 | 69 | 983 | 1,929 |

## CONSUMPTION, PRULUCIION AND INVENTORIES OF RUBEER

## Section B, Natural Rubber $=$ (Concluded)

Table 6 (a). - Consumption of Natural Rubber by Types and by End Product Classification, December 1950.

| End Products | Natural Rubber (excluding latex) | Latex | Total Natural |
| :---: | :---: | :---: | :---: |
|  | Pounds | Pounds | Pounds |
| 1. Tires, tukes and tire repair materials ............ | 7,074,578 | 37,952 | 7,112,530 |
| 2. Wire and cable ........... | 69,023 | - | 69,023 |
| 3. Footwear (including heels, soles, etc.) | 980,940 | 2,102 | 983,042 |
| 4. Other products ............. | 1,449,355 | 479,620 | 1,928,975 |
| TOTAL | 9,573,896 | 519,674 | 10,093,570 |

Table 6 (b). - Consumption of Natural Rubber, by Types and by End Proauct Classification, November, 1950.

| End Products | Natural Rubber (excluding latex) | Latex | Total Natural |
| :---: | :---: | :---: | :---: |
|  | Younds | Pounds | Pounds |
| 1. Tires, tubes and tire repair materials .......... | 6,951,331 | 52,358 | 7,003,689 |
| 2. Thire and cable ............ | 68,049 | - | 68,049 |
| 3. Footwear (including heels, soles, etc.) ................ | 1,110,700 | 2,246 | 1,112,946 |
| 4. Other Yroducts ............ | 1,266,303 | 397,997 | 1,664,300 |
| TOTAL .................. | 9,396,383 | 452,601 | 9,848,984 |

## CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

## Section C, Synthetic Rubber

The November 1950 and December 1950 consumption of Synthetic Rubber is show dy types and by end products classification, in Table 10.

Summary data, by montis, are shown in Tables 8 and 9, while 1943-1950 yearly totals and monthly averages are given in Table 7. For summary data on Synthetic and other rubber stocks, domestic production and domestic consumption, expressed in long tons, see Table 1.

Table 7. - Consumption of Synthetic Rubber in Total, showing Monthly Averages, 1943-1950, and Percentages of Synthetic Rubber to All Rubber Consumed.

| Year | Total | Monthly Average | Percentage |
| :---: | :---: | :---: | :---: |
|  | Pounds | Younds | $\%$ |
| 1943 | 8,252,160 | 687,680 | 7.9 |
| 1944 | 55,399,680 | 4,616,640 | 52.7 |
| 1945 | 80,505,600 | 6,708,800 | 62.9 |
| 1946 | 66,357,973 | 5,529,331 | 55.6 |
| 1947 | 65,367,660 | 5,447,305 | 37.5 |
| 1948 | 46,051,821 | 3,837,652 | 27.1 |
| 1949 | 40,474,347 | 3,372,862 | 26.5 |
| 1950 | 50,596,632 | 4,216,386 | 27.3 |

Table 8. - Consumption of Synthetic Rubber, by Types and by Months, January 1950 to December 1950.


## CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section C, Synthetic Rubber (Continued)
Table 3. - Consumption of Synthetic Rubber, in Total, by End Products, and by Months, January 1948 to December li350 showing also Percentage of Synthetic to All Rubber Consumed.

| Year and Month |  | Synthetic Rubber |  | Used in the manufacture of - |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Total | Percentage of All Rubber | $\begin{aligned} & \text { Tires } \\ & \text { and } \\ & \text { Tubes } \end{aligned}$ | Wire and Cable | Footwear | Other Products |
| 1948 |  | $\begin{aligned} & \text { opo's } \\ & \text { pounds } \end{aligned}$ | Per cent | $\begin{aligned} & 000^{\prime} \mathrm{s} \\ & \text { pounds } \end{aligned}$ | $\begin{aligned} & 000^{\prime} \mathrm{s} \\ & \text { pounds } \end{aligned}$ | $\begin{aligned} & 000^{\prime} \mathrm{s} \\ & \text { pounds } \end{aligned}$ | $\begin{aligned} & 000 \text { 's } \\ & \text { pounds } \end{aligned}$ |
|  | - January .. | 4,665 | 30.2 | 3,495 | 203 | 365 | 602 |
|  | February . | 4,223 | 23.7 | 3,076 | 183 | 364 | 600 |
|  | March .... | 4,026 | 25.5 | 2,330 | 256 | 333 | 602 |
|  | April .... | 4,181 | 27.7 | 2,981 | 254 | 310 | 636 |
|  | May ...... | 3,560 | 26.7 | 2,504 | 205 | 319 | 532 |
|  | June ..... | 3,966 | 26.3 | 2,750 | 228 | 339 | 643 |
|  | July ..... | 3,139 | 26.6 | 2,293 | 137 | 217 | 486 |
|  | August ... | 2,915 | 28.1 | 1,960 | 159 | 273 | 523 |
|  | September. | 3,507 | 26.5 | 2,602 | 204 | 283 | 518 |
|  | October .. | 3,702 | 26.0 | 2,667 | 164 | 301 | 570 |
|  | November . | 4,047 | 26.2 | 2,832 | 259 | 333 | 618 |
|  | December . | 4,021 | 26.8 | 2,883 | 213 | 287 | 638 |
| 1949 | - January .. | 3,636 | 26.5 | 2,696 | 211 | 256 | 523 |
|  | February . | 3,798 | 27.7 | 2,646 | 249 | 366 | 537 |
|  | March .... | 3,916 | 26.3 | 2,726 | 272 | 336 | 582 |
|  | April .... | 3,948 | 30.2 | 2,867 | 216 | 327 | 538 |
|  | May ...... | 3,760 | 28.5 | 2,687 | 204 | 379 | 430 |
|  | June ..... | 3,488 | 26.5 | 2,418 | 161 | 331 | 528 |
|  | July .... | 2,599 | 26.4 | 1,833 | 69 | 329 | 363 |
|  | August ... | 2,657 | 27.1 | 1,650 | 182 | 395 | 430 |
|  | September. | 3,117 | 24.8 | 1,990 | 236 | 381 | 510 |
|  | October .. | 3,160 | 24.6 | 2,011 | 213 | 445 | 486 |
|  | Novernber . | 3,131 | 24.8 | 2,046 | 258 | 283 | 533 |
|  | December | 3,214 | 24.0 | 2,126 | 262 | 308 | 518 |
| 1950 | - January .. | 3,421 | 24.7 | 2,222 | 307 | 333 | 559 |
|  | February . | 3,654 | 25.5 | 2,380 | 295 | 364 | 615 |
|  | March .... | 3,772 | 25.0 | 2,251 | 331 | 483 | 707 |
|  | April .... | 3,678 | 26.6 | 2,418 | 259 | 312 | 689 |
|  | May ...... | 4,114 | 28.0 | 2,655 | 359 | 353 | 747 |
|  | June . | 4,069 | 25.6 | 2,527 | 322 | 436 | 784 |
|  | July | 3,770 | 26.4 | 2,595 | 167 | 370 | 638 |
|  | August ... | 4,362 | 32.5 | 2,374 | 345 | 524 | 1,119 |
|  | September. | 5,088 | 31.4 | 3,215 | 339 | 645 | 889 |
|  | October .. | 5,065 | 28.4 | 3,184 | 314 | 637 | 930 |
|  | November . | 4,740 | 26.3 | 2,774 | 389 | 744 | 833 |
|  | December | 4,862 | 26.9 | 3,050 | 314 | 435 | 1,003 |

$x$ Includes "tire repair materials".

## CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section C. - Synthetic Rubber (Concluded)
Table 10 (a).- Consumption of Synthetic Rubber, by Types and by End Product Classification, December 1950.

| End Products | Buna-S |  | Buna-N | Butyl | Neoprene | Other | Total Syntheti |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Solid | Latex |  |  |  |  |  |
|  | Younds | Pounds | Pounds | Pounds | Pounds | Younds | Pounds |
| 1. Tires, tubes, and tire repair materials ..... | 2,150,803 | 34,899 | 100 | 859,245 | 5,025 | - | 3,050,072 |
| 2. Wire and cable. | 216,400 | - | - | - | 97,535 | - | 313,935 |
| 3. Footwear (including heels, soles, etc.) .. | 420,956 | 7,345 |  | - | 1,943 | 65,024 | 495,268 |
| 4. Other products. | 742,918 | 64,349 | 29,758 | 27,263 | 127,332 | 11,150 | 1,002,770 |
| TOTAL ....... | 3,531,077 | 106,593 | 29,858 | 886,508 | 231,835 | 76,174 | 4,862,045 |

Table 10 (b). - Consumption of Synthetic Rubber, by Types and by End Product Classification, November 1950.

| End Products | Buna-S |  | Buna-N | Butyl | Neaprene | 0 ther | Total Synthetic |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Solid | Latex |  |  |  |  |  |
|  | Pounds | Pounds | Pounas | Pounds | Pounds | Pounds | Pounds |
| 1. Tires, tubes, and tire repair materials ..... | 1,832,179 | 65,561 | 75 | 813,489 | 2,872 | - | 2,774,176 |
| 2. Wire and cable. | 237,863 | - | - | 747 | 150,336 | - | 388,946 |
| 3. Footwear (incluaing heels, soles, etc.) .. | 665,329 | 1,950 | 260 | 5 | 2,705 | 73,502 | 744,351 |
| 4. Other products. | 603,877 | 40,733 | 12,330 | 26,796 | 133,066 | 15,669 | 832,471 |
| total ....... | 3,393,848 | 103,244 | 12,665 | 841,037 | 238,979 | 89,171 | 4,739,944 |

## Section Dr Reclaim Rubuer

Table 11 gives the consumption of Reclaim in total for the years 1939-1950 with monthly averages for each year and showing percentage of reclaim to all rubber consumed. Consumption of Reclaim, in total only, by end product classification is given in Table 12 by months, January 1950 to December 1950. Of the 3,094,129 pounds consumed in December 1950, 123,803 pounds were consumed in the form of dispersions and 2,964,320 pounds as other than dispersions. For summary data on Reclaim and other rubber stocis, domestic production and domestic consumption, expressed in long tons, sec Table 1.

Table 11. - Consumption of Reclaim Rubber in Total, and by Monthly Averages, 1939-1350, showing also percentages of Reclaim to All Rubber Consumed.

| Year | Total | Monthly Average | Percentage to All Rubber |
| :---: | :---: | :---: | :---: |
|  | Pounds | Pounds | \% |
| 1939 | 16,826,880 | 1,402,240 | 19.2 |
| 1340 | 18,896,640 | 1,574,720 | 18.6 |
| 1941 | 21,208,320 | 1,767,360 | 15.1 |
| 1942 | 28,008,960 | 2,334,080 | 22.3 |
| 1943 | 31,342,080 | 2,611,340 | 29.8 |
| 1944 | 28,277,760 | 2,356,480 | 26.3 |
| 1945 | 34,298,830 | 2,858,240 | 26.8 |
| 1946 | 31,673,600 | 2,633,467 | 26.6 |
| 1947 | 36,566,628 | 3,047,219 | 21.0 |
| 1948 | 30,661,557 | 2,555,130 | 18.1 |
| 1949 | 26,417,995 | 2,201,500 | 17.3 |
| 1950 | 31,267,567 | 2,605,631 | 16.9 |

Table 12. - Consumption of Reclaim Rubber in Total, by End Products, and by Months, January 1950 to December 1950, showing also percentage of Reclaim to All Rubber Consumed.

| Year and Month | Reclaim |  | Used in the Manufacture of - |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Percentage of All Rubber | $\begin{aligned} & \text { Tires } \\ & \text { and } \\ & \text { Tubes } \end{aligned}$ | Wire and Cable | Footwear | Other Products |
|  | 000 's pounds | Per cent | $\begin{aligned} & 000^{\prime} \mathrm{s} \\ & \text { pounds } \end{aligned}$ | $\begin{aligned} & 000^{\prime s} \\ & \text { pounds } \end{aligned}$ | $\begin{aligned} & \overline{0001 s} \\ & \text { pounds } \end{aligned}$ | $\begin{aligned} & 000^{\prime} \mathrm{s} \\ & \text { pounds } \end{aligned}$ |
| 1950 - January . | 2,357 | 17.0 | 1,204 | 23 | 189 | 941 |
| February . | 2,399 | 16.3 | 1,136 | 17 | 198 | 998 |
| March .... | 2,552 | 16.9 | 1,204 | 23 | 238 | 1,087 |
| April . | 2,374 | 17.1 | 1,151 | 15 | 184 | 1,024 |
| May . | 2,541 | 17.3 | 1,277 | 20 | 192 | 1,052 |
| June . | 2,765 | 17.4 | 1,310 | 23 | 238 | 1,194 |
| July | 2,380 | 16.7 | 1,218 | 8 | 221 | -933 |
| August .... | 2,185 | 16.2 | 963 | 16 | 216 | 990 |
| September | 2,615 | 16.2 | 1,197 | 16 | 267 | 1,135 |
| October .. | 2,914 | 16.3 | 1,430 | 22 | 277 | 1,125 |
| November | 3,090 | 17.5 | 1,427 | 21 | 303 | 1,333 |
| December . . | 3,094 | 17.2 | 1,545 | 15 | 298 | 1,236 |

