



DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division
OTTAWA

Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce

Vol. 7 No. 10

Price \$2.00 per year

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

OCTOBER, 1953

The statistics made available monthly in this report are considered 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 total consumption of all types of rubber, natural, synthetic and reclaim, whether foreign or domestic, by broad end product use groupings, together with inventories, receipts and sales by consuming manufacturers in all industries. The addition of the two inventories gives the total stocks held by industry.

It is regretted that comparable export-import data cannot be secured each month, and that, therefore, the total available supply is not accurately known. However, the data given in (b) do ultimately account for the total consumption of rubber in Canada, and should be capable 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 October 1953 as compared with September 1953 shows an increase in natural of 325,309 pounds, an increase in synthetic of 105,067 pounds and a decrease in reclaim of 107,502 pounds, the total increase being 322,874 pounds. Considering the situation in terms of end products use, it may be noted that the consumption of all rubber in the production of tires and tubes, including tire repair materials, increased by 700,419 pounds, consumption in rubber footwear increased by 100,765 pounds, in wire and cable decreased by 38,464 pounds and in other products decreased by 439,846 pounds, making the total increase of 322,874 pounds mentioned above.

Prepared in General Manufactures Section.

6503-502
3-12-53



CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section A. Summary Data

This section includes summary data on natural, synthetic and reclaim rubber showing stocks, domestic production and domestic consumption. For more detailed data of consumption by specific types and by end products classification, 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 and Domestic Consumption Showing Monthly Averages, 1939-1952, and Actual Monthly Totals, January to October 1953.

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

| | Stocks, End of Period | | | Domestic Production | | Consumption | | |
|-------------------------|-----------------------|----------------|--------------|---------------------|--------------|-------------|----------------|--------------|
| | Natural | Syn- thetic | Re- claim | Syn- thetic | Re- claim | Natural | Syn- thetic | Re- claim |
| Monthly Averages | | | | | | | | |
| 1939 | n.a. | n.a. | n.a. | - | - | 2,635 | - | 626 |
| 1940 | n.a. | n.a. | n.a. | - | - | 3,083 | - | 703 |
| 1941 | n.a. | n.a. | n.a. | - | - | 4,436 | - | 789 |
| 1942 | n.a. | n.a. | 4,506 | - | - | 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 |
| 1948 | 6,002 | 4,448 | 2,019 | 3,371 | 360 | 3,464 | 1,713 | 1,141 |
| 1949 | 6,138 | 4,678 | 1,715 | 3,887 | 290 | 3,192 | 1,505 | 983 |
| 1950 | 4,423 | 3,511 | 1,635 | 4,870 | 371 | 3,843 | 1,881 | 1,163 |
| 1951 | 5,016 | 3,671 | 2,219 | 5,191 | 423 | 3,698 | 2,203 | 1,319 |
| 1952 | 4,255 | 6,925 | 1,567 | 6,189 | 382 | 2,792 | 2,799 | 1,133 |
| 1953 - January . | 3,887 | 4,636 | 1,488 | 6,779 | 378 | 2,942 | 3,111 | 1,217 |
| February . | 4,581 | 4,721 | 1,450 | 6,398 | 406 | 3,279 | 3,400 | 1,313 |
| March ... | 3,991 | 4,899 | 1,397 | 7,276 | 407 | 3,260 | 3,408 | 1,347 |
| April ... | 3,504 | 3,537 | 1,639 | 5,894 | 381 | 3,090 | 3,400 | 1,276 |
| May | 4,270 | 4,589 | 1,592 | 7,597 | 389 | 3,101 | 3,180 | 1,225 |
| June | 3,892 | 4,297 | 1,588 | 6,693 | 370 | 3,216 | 3,443 | 1,318 |
| July | 4,685 | 3,497 | 1,403 | 4,403 | 329 | 2,710 | 2,795 | 1,062 |
| August .. | 4,109 | 4,112 | 1,523 | 6,436 | 356 | 2,450 | 2,243 | 896 |
| September | 5,594 | 4,975 | 1,506 | 7,248 | 391 | 3,236 | 2,667 | 1,245 |
| October . | 5,292 | 5,902 | 1,539 | 7,374 | 435 | 3,382 | 2,714 | 1,197 |

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

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

| Type of Rubber | Inventory October 1, 1953 | Production | Inventory October 31, 1953 |
|--------------------------|------------------------------|------------|-------------------------------|
| <u>Natural Rubber</u> | | | |
| Crude Rubber | - | - | - |
| Natural Latex | 44 | - | 50 |
| Total Natural Rubber . | 44 | - | 50 |
| <u>Synthetic Rubber</u> | | | |
| Buna-S | 1,350 | 4,567 | 1,906 |
| Butyl | 1,107 | 1,553 | 1,391 |
| Neoprene | 43 | - | 35 |
| All Other | 233 | 1,254 | 307 |
| Total Synthetic Rubber | 2,733 | 7,374 | 3,639 |
| <u>Reclaim Rubber</u> | | | |
| Dispersions | 33 | 20 | 30 |
| Other than Dispersions . | 56 | 415 | 98 |
| Total Reclaim Rubber . | 89 | 435 | 128 |
| GRAND TOTAL | 2,866 | 7,809 | 3,817 |

Table 2(b) - CONSUMPTION. Statement of Manufacturers Consuming Rubber
(Weights in Long Tons)

| Type of Rubber | Inventory October 1, 1953 | Receipts (Imports, etc) | Con- sump- tion | Sales (Exports, etc.) | Inventory October 31, 1953 |
|--------------------------|---------------------------------|-------------------------------|-----------------------|-----------------------------|----------------------------------|
| <u>Natural Rubber</u> | | | | | |
| Crude Rubber | 5,352 | 2,772 | 3,105 | - | 5,019 |
| Natural Latex | 198 | 329 | 277 | 27 | 223 |
| Total Natural Rubber . | 5,550 | 3,101 | 3,382 | 27 | 5,242 |
| <u>Synthetic Rubber</u> | | | | | |
| Buna-S, Solid | 1,564 | 2,057 | 2,075 | - | 1,546 |
| Buna-S, Latex | 75 | 137 | 106 | 9 | 97 |
| Buna-N | 25 | 11 | 11 | - | 25 |
| Butyl | 316 | 293 | 300 | - | 309 |
| Neoprene | 223 | 193 | 175 | 3 | 238 |
| All Other | 39 | 65 | 47 | 9 | 48 |
| Total Synthetic Rubber | 2,242 | 2,756 | 2,714 | 21 | 2,263 |
| <u>Reclaim Rubber</u> | | | | | |
| Dispersions | 64 | 36 | 29 | - | 71 |
| Other than Dispersions . | 1,353 | 1,155 | 1,168 | - | 1,340 |
| Total Reclaim Rubber . | 1,417 | 1,191 | 1,197 | - | 1,411 |
| GRAND TOTAL | 9,209 | 7,048 | 7,293 | 48 | 8,916 |

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section A. - Summary Data (Concluded)

Table 3(a) - Consumption of all Rubber, by Types and by End Product
Classification, October, 1953

| End Products | Natural | Synthetic | Reclaim | Total All Rubber |
|---|-----------|-----------|-----------|---------------------|
| | pounds | pounds | pounds | pounds |
| 1. Tires, tubes and tire repair materials | 5,186,110 | 3,965,578 | 1,614,093 | 10,765,781 |
| 2. Wire and cable | 86,163 | 382,805 | 9,651 | 478,619 |
| 3. Footwear (including heels, soles, etc.) | 876,924 | 651,474 | 206,162 | 1,734,560 |
| 4. Other products | 1,425,110 | 1,081,666 | 852,735 | 3,359,511 |
| TOTAL | 7,574,307 | 6,081,523 | 2,682,641 | 16,338,471 |

Table 3(b) - Consumption of all Rubber, by Types and by End Product
Classification, September, 1953.

| End Products | Natural | Synthetic | Reclaim | Total All Rubber |
|---|-----------|-----------|-----------|---------------------|
| | pounds | pounds | pounds | pounds |
| 1. Tires, tubes and tire repair materials | 4,591,702 | 3,887,837 | 1,585,823 | 10,065,362 |
| 2. Wire and cable | 86,355 | 423,288 | 7,440 | 517,083 |
| 3. Footwear (including heels, soles, etc.) | 843,433 | 629,023 | 161,339 | 1,633,795 |
| 4. Other products | 1,727,508 | 1,036,308 | 1,035,541 | 3,799,357 |
| TOTAL | 7,248,998 | 5,976,456 | 2,790,143 | 16,015,597 |

Table 4 - Consumption of all Rubber in Total, by Types, showing
Percentages of Each Type to all Rubber Consumed, 1939 to 1952

| | Natural | | Synthetic | | Reclaim | |
|------------|-------------|------|------------|------|------------|------|
| | pounds | % | pounds | % | pounds | % |
| 1939 | 70,828,800 | 80.8 | - | - | 16,826,880 | 19.2 |
| 1940 | 82,871,040 | 81.4 | - | - | 18,896,640 | 18.6 |
| 1941 | 119,239,680 | 84.9 | - | - | 21,208,320 | 15.1 |
| 1942 | 94,402,560 | 77.1 | - | - | 28,008,960 | 22.9 |
| 1943 | 65,425,920 | 62.3 | 8,252,160 | 7.9 | 31,342,080 | 29.8 |
| 1944 | 21,477,120 | 20.4 | 55,399,680 | 52.7 | 28,277,760 | 26.9 |
| 1945 | 13,198,080 | 10.3 | 80,505,600 | 62.9 | 34,298,880 | 26.8 |
| 1946 | 21,459,268 | 17.8 | 66,357,973 | 55.6 | 31,673,600 | 26.6 |
| 1947 | 72,294,000 | 41.5 | 65,367,660 | 37.5 | 36,566,628 | 21.0 |
| 1948 | 93,113,676 | 54.8 | 46,051,821 | 27.1 | 30,661,557 | 18.1 |
| 1949 | 85,790,432 | 56.2 | 40,474,347 | 26.5 | 26,417,995 | 17.3 |
| 1950 | 103,305,446 | 55.8 | 50,596,632 | 27.3 | 31,267,567 | 16.9 |
| 1951 | 99,404,429 | 51.2 | 59,217,110 | 30.5 | 35,447,251 | 18.3 |
| 1952 | 75,042,843 | 41.5 | 75,260,578 | 41.6 | 30,468,040 | 16.9 |

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section B. Natural Rubber

The October 1953 consumption of Natural Rubber, showing crude rubber and natural latex separately and arranged according to end products classification, is shown in Table 5. Summary data, by months, October 1952 to October 1953 are shown in Table 6. For summary data on Natural and other rubber stocks, domestic production and domestic consumption, expressed in long tons, see Table 1.

Table 5 - Consumption of Natural Rubber, by Types and by End Product Classification, October 1953.

| End Products | Natural Rubber (excluding Latex) | Latex | Total Natural |
|---|-------------------------------------|----------------|------------------|
| | pounds | pounds | pounds |
| 1. Tires, tubes and tire repair materials | 5,171,415 | 14,695 | 5,186,110 |
| 2. Wire and cable | 86,163 | - | 86,163 |
| 3. Footwear (including heels, soles, etc.) | 874,238 | 2,686 | 876,924 |
| 4. Other products | 822,762 | 602,348 | 1,425,110 |
| TOTAL | 6,954,578 | 619,729 | 7,574,307 |

Table 6 - Consumption of Natural Rubber in Total, by End Products, October 1952 to October 1953, showing also Percentage of Natural to all Rubber Consumed.

| | Natural | | Used in the Manufacture of | | | |
|----------------------|-----------------|--------------------------------|----------------------------|----------------------|-----------------|------------------------|
| | Total | Percentage of all Rubber | Tires and Tubes | Wire and Cable | Foot- wear | Other Pro- ducts |
| | 000's pounds | Per cent | 000's pounds | 000's pounds | 000's pounds | 000's pounds |
| 1952 - October | 7,275 | 43.8 | 4,877 | 80 | 942 | 1,376 |
| November | 7,577 | 43.6 | 5,221 | 91 | 779 | 1,486 |
| December | 6,391 | 40.0 | 4,348 | 66 | 554 | 1,423 |
| 1953 - January | 6,589 | 40.5 | 4,444 | 80 | 626 | 1,439 |
| February | 7,346 | 41.0 | 4,650 | 77 | 768 | 1,851 |
| March | 7,302 | 40.7 | 4,504 | 95 | 798 | 1,905 |
| April | 6,921 | 39.8 | 4,417 | 81 | 745 | 1,678 |
| May | 6,945 | 41.3 | 4,463 | 68 | 727 | 1,687 |
| June | 7,204 | 40.3 | 4,694 | 74 | 716 | 1,720 |
| July | 6,070 | 41.3 | 4,236 | 41 | 537 | 1,256 |
| August | 5,489 | 43.9 | 3,327 | 58 | 822 | 1,282 |
| September | 7,249 | 45.3 | 4,592 | 86 | 843 | 1,728 |
| October | 7,574 | 46.4 | 5,186 | 86 | 877 | 1,425 |

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section C. Synthetic Rubber

The October 1953 consumption of Synthetic Rubber is shown by types and by end products classification in Table 7. Summary data, by months, are shown in Tables 8 and 9. 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, by Types and by End Product Classification, October 1953.

| | Buna-S | | Buna-N | Butyl | Neoprene | Other | Total Synthetic |
|---|-----------|---------|--------|---------|----------|---------|-----------------|
| | Solid | Latex | | | | | |
| | pounds | pounds | pounds | pounds | pounds | pounds | pounds |
| 1. Tires, tubes & tire repair materials | 3,262,669 | 87,483 | 80 | 604,206 | 11,140 | - | 3,965,578 |
| 2. Wire and cable .. | 166,368 | - | - | 5,607 | 210,830 | - | 382,805 |
| 3. Footwear (including heels, soles, etc.) .. | 549,833 | - | 121 | - | 16,803 | 84,717 | 651,474 |
| 4. Other Products .. | 668,883 | 150,887 | 24,397 | 61,803 | 154,260 | 21,436 | 1,081,666 |
| TOTAL | 4,647,753 | 238,370 | 24,598 | 671,616 | 393,033 | 106,153 | 6,081,523 |

Table 8 - Consumption of Synthetic Rubber, in Total, by End Products, October 1952 to October 1953, showing also Percentages of Synthetic to all Rubber Consumed.

| Year and Month | Synthetic Rubber | | Used in the Manufacture of | | | |
|--------------------|------------------|--------------------------|----------------------------|----------------|--------------|----------------|
| | Total | Percentage of all Rubber | Tires and Tubes | Wire and Cable | Footwear | Other Products |
| | 000's pounds | Per cent | 000's pounds | 000's pounds | 000's pounds | 000's pounds |
| 1952 - October ... | 6,517 | 39.2 | 4,127 | 354 | 875 | 1,161 |
| November .. | 7,072 | 40.7 | 4,410 | 458 | 929 | 1,275 |
| December .. | 6,882 | 43.0 | 4,541 | 357 | 835 | 1,149 |
| 1953 - January ... | 6,968 | 42.8 | 4,673 | 385 | 797 | 1,113 |
| February .. | 7,617 | 42.6 | 4,981 | 391 | 959 | 1,286 |
| March | 7,633 | 42.5 | 5,050 | 391 | 895 | 1,297 |
| April | 7,614 | 43.8 | 5,055 | 447 | 862 | 1,250 |
| May | 7,124 | 42.4 | 4,918 | 356 | 669 | 1,181 |
| June | 7,716 | 43.2 | 5,247 | 425 | 792 | 1,252 |
| July | 6,264 | 42.5 | 4,481 | 166 | 670 | 947 |
| August | 5,026 | 40.1 | 2,888 | 491 | 647 | 1,000 |
| September . | 5,976 | 37.3 | 3,888 | 423 | 629 | 1,036 |
| October ... | 6,082 | 37.2 | 3,966 | 383 | 651 | 1,082 |

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Table 9 - Consumption of Synthetic Rubber, by Types, October 1952 to October 1953.

| Year and Month | Buna-S | Butyl | Neoprene | Other | Total |
|--------------------|-----------|-----------|----------|---------|-----------|
| | pounds | pounds | pounds | pounds | pounds |
| 1952 - October ... | 5,233,065 | 826,599 | 314,452 | 142,852 | 6,516,968 |
| November .. | 5,632,928 | 890,568 | 392,313 | 156,652 | 7,072,461 |
| December .. | 5,538,899 | 851,779 | 312,717 | 178,677 | 6,882,072 |
| 1953 - January ... | 5,537,097 | 950,077 | 311,717 | 169,346 | 6,968,237 |
| February .. | 6,147,469 | 983,260 | 315,225 | 170,816 | 7,616,770 |
| March | 6,026,536 | 1,115,227 | 323,919 | 168,224 | 7,633,906 |
| April | 6,116,766 | 954,018 | 374,056 | 169,544 | 7,614,384 |
| May | 5,670,984 | 949,100 | 359,394 | 144,432 | 7,123,910 |
| June | 6,228,278 | 957,342 | 365,846 | 165,183 | 7,716,649 |
| July | 5,165,202 | 755,811 | 202,335 | 140,188 | 6,263,536 |
| August | 3,923,915 | 558,862 | 424,353 | 118,340 | 5,025,470 |
| September . | 4,793,468 | 685,966 | 380,789 | 116,233 | 5,976,456 |
| October ... | 4,886,123 | 671,616 | 393,033 | 130,751 | 6,081,523 |

Section D. Reclaim Rubber

Table 10 gives the consumption of Reclaim in total only, by end product classification October 1952 to October 1953. Of the 2,682,641 pounds consumed in October 1953, 65,393 pounds were consumed in the form of dispersions and 2,617,248 pounds as other than dispersions. For summary data on Reclaim and other rubber stocks, domestic production and domestic consumption expressed in long tons, see Table 1.

Table 10 - Consumption of Reclaim Rubber in Total by End Products October 1952 to October 1953, showing also Percentages of Reclaim to all Rubber Consumed.

| | Reclaim | | Used in the Manufacture of | | | |
|----------------------|--------------|--------------------------|----------------------------|----------------|--------------|----------------|
| | Total | Percentage of all Rubber | Tires and Tubes | Wire and Cable | Foot-wear | Other products |
| | 000's pounds | Per cent | 000's pounds | 000's pounds | 000's pounds | 000's pounds |
| 1952 - October | 2,825 | 17.0 | 1,499 | 9 | 288 | 1,029 |
| November | 2,731 | 15.7 | 1,471 | 9 | 219 | 1,032 |
| December | 2,723 | 17.0 | 1,502 | 10 | 203 | 1,008 |
| 1953 - January | 2,726 | 16.7 | 1,632 | 6 | 195 | 893 |
| February | 2,941 | 16.4 | 1,635 | 6 | 207 | 1,093 |
| March | 3,015 | 16.8 | 1,707 | 14 | 179 | 1,115 |
| April | 2,860 | 16.4 | 1,531 | 16 | 173 | 1,140 |
| May | 2,745 | 16.3 | 1,561 | 8 | 149 | 1,027 |
| June | 2,953 | 16.5 | 1,722 | 12 | 176 | 1,043 |
| July | 2,380 | 16.2 | 1,523 | - | 108 | 749 |
| August | 2,007 | 16.0 | 1,005 | 9 | 187 | 806 |
| September ... | 2,790 | 17.4 | 1,586 | 7 | 161 | 1,036 |
| October | 2,683 | 16.4 | 1,614 | 10 | 206 | 853 |

STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010529198