



DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

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

Vol. 9, No. 9, September 1955

Price: \$2.00 per year.

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

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 September 1955 as compared with August 1955 shows an increase in natural of 2,524,613 pounds, an increase in synthetic of 2,278,079 pounds and an increase in reclaim of 988,753 pounds, the total being an increase of 5,791,445 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 4,981,756 pounds, consumption in rubber footwear decreased by 118,210 pounds, in wire and cable increased by 39,534 pounds and in other products increased by 888,365 pounds, making the total increase of 5,791,445 pounds mentioned above.

Prepared in Textiles and Miscellaneous Products Section,
Industry and Merchandising Division.

6503-502-95

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, 1939-1954 and Actual Monthly Totals, January to September 1955.

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 | 4,583 | 4,741 | 1,538 | 6,744 | 385 | 3,124 | 2,993 | 1,216 |
| 1954 | 4,710 | 5,863 | 1,477 | 7,215 | 331 | 3,465 | 2,506 | 1,064 |
| 1955 - January . | 3,444 | 5,267 | 1,583 | 8,124 | 309 | 3,511 | 2,615 | 1,062 |
| February | 3,898 | 4,887 | 1,550 | 7,646 | 419 | 3,804 | 3,132 | 1,350 |
| March ... | 3,749 | 4,985 | 1,677 | 8,673 | 384 | 4,140 | 3,366 | 1,390 |
| April ... | 3,805 | 5,076 | 1,642 | 7,631 | 345 | 3,822 | 3,006 | 1,227 |
| May | 4,909 | 5,517 | 1,681 | 8,867 | 438 | 3,762 | 3,344 | 1,101 |
| June | 5,448 | 5,388 | 1,613 | 8,587 | 371 | 3,836 | 3,783 | 1,488 |
| July | 4,754 | 5,697 | 1,641 | 8,183 | 154 | 2,755 | 2,688 | 1,046 |
| August .. | 4,823 | 5,834 | 1,768 | 8,104 | 355 | 2,868 | 2,686 | 914 |
| September | 4,325 | 6,863 | 1,442 | 9,294 | 493 | 3,996 | 3,700 | 1,356 |

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

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

| Type of Rubber | Inventory September 1, 1955 | Production | Inventory September 30, 1955 |
|------------------------------|--------------------------------|------------|---------------------------------|
| <u>Natural Rubber</u> | | | |
| Crude Rubber | - | - | - |
| Natural Latex | 76 | - | 88 |
| Total Natural Rubber | 76 | - | 88 |
| <u>Synthetic Rubber</u> | | | |
| Buna-S | 1,602 | 6,505 | 1,893 |
| Butyl | 284 | 1,882 | 500 |
| Neoprene | 25 | - | 40 |
| All Other | 552 | 907 | 717 |
| Total Synthetic Rubber | 2,463 | 9,294 | 3,150 |
| <u>Reclaim Rubber</u> | | | |
| Dispersions | 15 | 60 | 15 |
| Other than Dispersions..... | 117 | 433 | 76 |
| Total Reclaim Rubber | 132 | 493 | 91 |
| GRAND TOTAL | 2,671 | 9,787 | 3,329 |

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

| Type of Rubber | Inventory September 1, 1955 | Receipts (Imports, etc.) | Con- sump- tion | Sales (Exports, etc.) | Inventory September 30, 1955 |
|-------------------------|-----------------------------------|--------------------------------|-----------------------|-----------------------------|------------------------------------|
| <u>Natural Rubber</u> | | | | | |
| Crude Rubber | 4,453 | 3,083 | 3,661 | 10 | 3,865 |
| Natural Latex | 294 | 465 | 335 | 52 | 372 |
| Total Natural Rubber. | 4,747 | 3,548 | 3,996 | 62 | 4,237 |
| <u>Synthetic Rubber</u> | | | | | |
| Buna-S, Solid | 2,556 | 3,375 | 2,952 | 3 | 2,976 |
| Buna-S, Latex | 154 | 175 | 166 | 3 | 160 |
| Buna-N | 27 | 15 | 16 | - | 26 |
| Butyl | 231 | 245 | 269 | - | 207 |
| Neoprene | 290 | 194 | 234 | - | 250 |
| All Other | 113 | 59 | 63 | 15 | 94 |
| Total Synthetic Rubber | 3,371 | 4,063 | 3,700 | 21 | 3,713 |
| <u>Reclaim Rubber</u> | | | | | |
| Dispersions | 46 | 21 | 19 | - | 48 |
| Other than Dispersions. | 1,590 | 1,051 | 1,337 | 1 | 1,303 |
| Total Reclaim | 1,636 | 1,072 | 1,356 | 1 | 1,351 |
| GRAND TOTAL | 9,754 | 8,683 | 9,052 | 84 | 9,301 |

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section A. Summary Data (Concluded)

Table 3(a) - Consumption of all Rubber, by Types and by End Products
Classification, September, 1955

| End Products | Natural | Synthetic | Reclaim | Total All Rubber |
|---|-----------|-----------|-----------|---------------------|
| | pounds | pounds | pounds | pounds |
| 1. Tires, tubes and tire repair materials | 5,834,658 | 5,362,119 | 1,976,024 | 13,172,801 |
| 2. Wire and cable | 81,030 | 508,092 | 5,130 | 594,252 |
| 3. Footwear (including heels, soles, etc.) | 901,374 | 752,074 | 230,389 | 1,883,837 |
| 4. Other products | 2,134,172 | 1,669,467 | 825,377 | 4,629,016 |
| TOTAL | 8,951,234 | 8,291,752 | 3,036,920 | 20,279,906 |

Table 3(b) - Consumption of all Rubber by Types and by End Products
Classification, August, 1955

| End Products | Natural | Synthetic | Reclaim | Total All Rubber |
|---|-----------|-----------|-----------|---------------------|
| | pounds | pounds | pounds | pounds |
| 1. Tires, tubes and tire repair materials | 3,754,059 | 3,324,330 | 1,112,656 | 8,191,045 |
| 2. Wire and cable | 74,304 | 469,230 | 11,184 | 554,718 |
| 3. Footwear (including heels, soles, etc.) | 954,740 | 816,453 | 230,854 | 2,002,047 |
| 4. Other products | 1,643,518 | 1,403,660 | 693,473 | 3,740,651 |
| TOTAL | 6,426,621 | 6,013,673 | 2,048,167 | 14,488,461 |

Table 4 - Consumption of all Rubber in Total, by Types showing percentages of
Each Type to all Rubber Consumed, 1939 to 1954

| | Natural | | Synthetic | | Reclaim | |
|------------|-------------|------|------------|------|------------|------|
| | pounds | % | pounds | % | pounds | % |
| 1939 | 70,828,800 | 80.4 | - | - | 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 |
| 1953 | 83,955,609 | 42.6 | 80,447,628 | 40.8 | 32,701,851 | 16.6 |
| 1954 | 93,129,151 | 49.3 | 67,379,304 | 35.6 | 28,603,823 | 15.1 |

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section B. Natural Rubber

The September 1955 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 September 1954 to September 1955 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 Products Classification, September 1955

| End Products | Natural Rubber (excluding Latex) | Latex | Total Natural |
|---|-------------------------------------|---------|------------------|
| | pounds | pounds | pounds |
| 1. Tires, tubes and tire repair materials | 5,819,518 | 15,140 | 5,834,658 |
| 2. Wire and cable | 81,030 | - | 81,030 |
| 3. Footwear (including heels, soles, etc.) | 900,130 | 1,244 | 901,374 |
| 4. Other products | 1,400,476 | 733,696 | 2,134,172 |
| TOTAL | 8,201,154 | 750,080 | 8,951,234 |

Table 6 - Consumption of Natural Rubber in Total by End Products, September 1954
to September 1955, 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 |
| 1954 - September. | 8,584 | 52.9 | 5,938 | 65 | 814 | 1,767 |
| October .. | 8,103 | 54.2 | 5,559 | 64 | 851 | 1,629 |
| November . | 8,848 | 52.8 | 6,034 | 67 | 871 | 1,876 |
| December . | 8,621 | 53.4 | 5,899 | 61 | 695 | 1,966 |
| 1955 - January .. | 7,865 | 48.8 | 5,421 | 50 | 721 | 1,673 |
| February . | 8,521 | 45.9 | 5,685 | 40 | 744 | 2,052 |
| March | 9,275 | 46.5 | 6,196 | 74 | 798 | 2,207 |
| April | 8,561 | 47.5 | 5,824 | 65 | 781 | 1,891 |
| May | 8,426 | 45.8 | 5,614 | 111 | 848 | 1,853 |
| June | 8,592 | 42.1 | 5,496 | 61 | 848 | 2,187 |
| July | 6,172 | 42.5 | 4,512 | 40 | 361 | 1,259 |
| August ... | 6,427 | 44.4 | 3,754 | 74 | 955 | 1,644 |
| September. | 8,951 | 44.1 | 5,835 | 81 | 901 | 2,134 |

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section C. Synthetic Rubber

The September 1955 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 Products Classification, September 1955.

| End Products | Buna-S | | Buna-N | Butyl | Neoprene | Other | Total Synthetic |
|--|-----------|---------|--------|---------|----------|---------|-----------------|
| | Solid | Latex | | | | | |
| | pounds | pounds | pounds | pounds | pounds | pounds | pounds |
| 1. Tires, tubes & tire repair materials | 4,752,049 | 106,732 | 7,808 | 470,622 | 24,908 | - | 5,362,119 |
| 2. Wire & cable | 215,383 | - | - | 26,274 | 266,435 | - | 508,092 |
| 3. Footwear (including heels, soles, etc.) | 639,182 | 1,229 | - | 7,150 | 19,164 | 85,349 | 752,074 |
| 4. Other products ... | 1,006,802 | 264,968 | 27,829 | 99,801 | 214,125 | 55,942 | 1,669,467 |
| TOTAL | 6,613,416 | 372,929 | 35,637 | 603,847 | 524,632 | 141,291 | 8,291,752 |

Table 8 - Consumption of Synthetic Rubber, in Total, by End Products September 1954 to September 1955, showing also percentages of Synthetic to all Rubber Consumed.

| | Synthetic | | 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 |
| 1954 - September . | 5,459 | 33.6 | 3,441 | 353 | 660 | 1,005 |
| October ... | 4,786 | 32.0 | 2,866 | 386 | 599 | 935 |
| November .. | 5,720 | 34.1 | 3,456 | 442 | 688 | 1,134 |
| December .. | 5,349 | 33.1 | 3,138 | 358 | 713 | 1,140 |
| 1955 - January ... | 5,861 | 36.4 | 3,568 | 355 | 731 | 1,207 |
| February .. | 7,018 | 37.8 | 4,586 | 376 | 827 | 1,229 |
| March | 7,544 | 37.9 | 4,796 | 443 | 839 | 1,466 |
| April | 6,735 | 37.3 | 4,347 | 411 | 594 | 1,383 |
| May | 7,494 | 40.8 | 4,950 | 443 | 697 | 1,404 |
| June | 8,476 | 41.6 | 5,724 | 447 | 753 | 1,552 |
| July | 6,023 | 41.4 | 4,439 | 160 | 408 | 1,016 |
| August | 6,013 | 41.5 | 3,324 | 469 | 816 | 1,404 |
| September . | 8,292 | 40.9 | 5,362 | 508 | 752 | 1,670 |

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Table 9 - Consumption of Synthetic Rubber, by Types, September 1954 to September, 1955

| | Buna-S | Butyl | Neoprene | Other | Total |
|------------------------|-----------|---------|----------|---------|-----------|
| | pounds | pounds | pounds | pounds | pounds |
| 1954 - September | 4,370,322 | 574,109 | 381,614 | 133,365 | 5,459,410 |
| October | 3,856,414 | 468,294 | 339,760 | 121,658 | 4,786,126 |
| November | 4,657,800 | 502,454 | 431,558 | 127,803 | 5,719,615 |
| December | 4,327,112 | 439,009 | 430,152 | 152,557 | 5,348,830 |
| 1955 - January | 4,829,792 | 514,297 | 366,435 | 150,515 | 5,861,039 |
| February | 5,852,577 | 610,502 | 388,316 | 166,321 | 7,017,716 |
| March | 6,064,508 | 809,558 | 452,005 | 218,379 | 7,544,450 |
| April | 5,510,556 | 642,993 | 436,143 | 145,688 | 6,735,380 |
| May | 6,186,793 | 727,054 | 440,158 | 139,894 | 7,493,899 |
| June | 7,133,999 | 696,116 | 503,596 | 142,658 | 8,476,369 |
| July | 5,176,428 | 468,172 | 234,491 | 144,090 | 6,023,181 |
| August | 5,004,606 | 380,152 | 457,911 | 171,004 | 6,013,673 |
| September | 6,986,345 | 603,847 | 524,632 | 176,928 | 8,291,752 |

Section D. Reclaim Rubber

Table 10 gives the consumption of Reclaim Rubber in total only, by end products classification September 1954 to September 1955. Of the 3,036,920 pounds consumed in September 1955, 42,103 pounds were consumed in the form of dispersions and 2,994,817 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 September 1954 to September 1955, showing also Percentage 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 |
| 1954 - September | 2,199 | 13.5 | 1,399 | 5 | 189 | 606 |
| October | 2,066 | 13.8 | 1,306 | 7 | 181 | 572 |
| November | 2,204 | 13.1 | 1,236 | 5 | 236 | 727 |
| December | 2,171 | 13.5 | 1,193 | 6 | 225 | 747 |
| 1955 - January | 2,378 | 14.8 | 1,502 | 8 | 186 | 682 |
| February | 3,025 | 16.3 | 1,984 | 6 | 182 | 853 |
| March | 3,114 | 15.6 | 1,929 | 9 | 230 | 946 |
| April | 2,749 | 15.2 | 1,741 | 4 | 207 | 797 |
| May | 2,468 | 13.4 | 1,476 | 5 | 204 | 783 |
| June | 3,334 | 16.3 | 2,240 | 8 | 194 | 892 |
| July | 2,342 | 16.1 | 1,641 | 3 | 142 | 556 |
| August | 2,048 | 14.1 | 1,113 | 11 | 231 | 693 |
| September | 3,037 | 15.0 | 1,976 | 5 | 231 | 825 |

STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010528990