



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. 4. No.10.

Price \$2.00 per year.

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

October, 1950

The statistics made 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 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 of rubber 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, 1950 as compared with September, 1950, shows an increase in natural of 1,376,368 pounds, a decrease in synthetic of 22,558 pounds, and an increase in reclaim of 298,616 pounds, the total increase being 1,652,426 pounds. Considering the situation in terms 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 1,506,410 pounds, consumption in rubber footwear decreased by 212,786 pounds, in wire and cable decreased by 7,805 pounds, and in other products increased by 366,607 pounds, making the total increase of 1,652,426 pounds mentioned above.

Prepared in General Manufactures Section.

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 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 - 1949, and Actual Monthly totals, January 1949 - October 1950.

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

Period	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.	4,560	-	-	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
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
1949 - January	6,412	5,106	1,870	4,762	329	3,487	1,644	1,084
February	7,713	4,512	1,851	3,792	270	3,397	1,696	1,035
March	7,032	4,013	1,703	4,147	299	3,620	1,748	1,128
April	7,200	4,299	1,787	3,376	254	3,075	1,763	991
May	7,492	4,755	1,826	4,543	309	3,194	1,677	1,028
June	5,891	3,790	1,461	4,224	265	3,209	1,556	1,108
July	5,230	5,307	1,471	4,119	143	2,452	1,160	780
August	5,331	5,820	1,602	4,446	304	2,432	1,186	752
September	5,202	5,240	1,587	3,640	312	3,259	1,391	962
October	5,704	4,805	1,783	2,938	329	3,338	1,411	988
November	5,272	4,050	1,793	2,707	326	3,324	1,397	897
December	5,181	4,442	1,845	3,948	335	3,512	1,434	1,038
1950 - January	5,734	4,443	1,712	4,625	317	3,608	1,527	1,052
February	4,964	4,300	1,695	4,345	291	3,690	1,630	1,070
March	4,983	4,110	1,607	5,290	322	3,916	1,683	1,139
April	5,272	4,700	1,652	4,604	343	3,477	1,640	1,059
May	5,714	3,743	1,540	4,744	436	3,588	1,837	1,134
June	4,416	3,278	1,599	4,489	401	4,041	1,817	1,234
July	3,561	3,297	1,532	4,777	193	3,626	1,682	1,062
August	3,521	3,109	1,564	4,977	385	3,079	1,947	975
September	4,063	3,250	1,716	4,984	376	3,788	2,271	1,167
October	3,981	3,038	1,595	5,142	442	4,402	2,260	1,300

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 October 1, 1950	Production	Inventory October 31, 1950
<u>Natural Rubber -</u>			
Crude Rubber	-	-	-
Natural Latex	66	-	38
Total Natural Rubber	66	-	38
<u>Synthetic Rubber -</u>			
Bunas-S	922	3,521	890
Butyl	481	1,136	340
Neoprene	45	-	42
All other	273	485	219
Total Synthetic Rubber	1,721	5,142	1,491
Total Natural and Synthetic	1,787	5,142	1,529
<u>Reclaim Rubber -</u>			
Dispersions	35	40	28
Other than dispersions	54	402	91
Total Reclaim Rubber	89	442	119
GRAND TOTAL	1,876	5,584	1,648

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

Type of Rubber	Inventory October 1, 1950	Receipts (imports, etc.)	Con- sumption	Sales (Exports) etc.)	Inventory October 31, 1950
<u>Natural Rubber-</u>					
Crude Rubber	3,828	4,236	4,201	103	3,760
Natural Latex	169	227	201	12	183
Total Natural Rubber	3,997	4,463	4,402	115	3,943
<u>Synthetic Rubber -</u>					
Buna-S, Solid	918	1,753	1,673	-	998
Buna-S, Latex	48	49	49	15	33
Buna-N	8	8	5	-	11
Butyl	347	316	389	-	274
Neoprene	164	132	112	-	184
All other	44	39	32	4	47
Total Synthetic	1,529	2,297	2,260	19	1,547
Total Natural and Synthetic ...	5,526	6,760	6,662	134	5,490
<u>Reclaim Rubber -</u>					
Dispersions	109	62	51	-	120
Other than dispersions	1,518	1,087	1,249	-	1,356
Total Reclaim Rubber	1,627	1,149	1,300	-	1,476
GRAND TOTAL	7,153	7,909	7,962	134	6,966

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section A. Summary Data - Concluded

Table 3 (a). - Consumption of all Rubber, by Main Types and by End Product
Classification, October, 1950

End Products	Natural	Synthetic	Reclaim	Total All Rubber
	Pounds	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials.....	7,059,739	3,183,676	1,490,032	11,733,447
2. Wire and cable	66,783	314,429	22,015	403,227
3. Footwear (including heels, soles, etc.)	1,004,066	530,363	225,383	1,759,812
4. Other products	1,729,718	1,036,730	1,176,662	3,943,110
TOTAL	9,860,306	5,065,198	2,914,092	17,839,596

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

End Products	Natural	Synthetic	Reclaim	Total All Rubber
	Pounds	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials	5,815,173	3,215,110	1,196,754	10,227,037
2. Wire and cable	55,919	339,320	15,793	411,032
3. Footwear, (including heels, soles, etc.)	1,060,456	644,523	267,619	1,972,598
4. Other products	1,552,390	888,803	1,135,310	3,576,503
TOTAL	8,483,938	5,087,756	2,615,476	16,187,170

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section B. Natural Rubber

The September 1950 and October 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 October 1949 to October 1950, are shown in Table 5, and 1939 - 1949 yearly totals, monthly averages and percentages of natural rubber to all 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 Synthetic, Natural and other rubber stocks, domestic production and domestic consumption, expressed in long tons, see Table 1.

Table 4. Consumption of Natural Rubber in Total, showing Monthly Averages 1939-1949 and percentages of Natural to All Rubber Consumed.

Year	Total	Monthly Average	Percentage to all Rubber
	Pounds	Pounds	%
1939	70,828,800	5,902,400	80.8
1940	82,871,040	6,905,920	81.4
1941	119,239,680	9,936,640	84.9
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	21,459,268	1,788,273	17.8
1947	72,294,000	6,024,500	41.5
1948	93,113,676	7,759,473	54.8
1949	85,790,432	7,149,203	56.2

Table 5. Consumption of Natural Rubber in Total, by End Products, and by Months, October 1949 to October 1950, showing also percentage of Natural to All Rubber Consumed.

Year and Month	Natural		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
1949 - October	7,479	58.2	5,202	71	985	1,221
November ...	7,446	59.2	5,022	95	1,046	1,283
December ...	7,866	58.7	5,526	86	843	1,411
1950 - January	8,083	58.3	5,561	90	819	1,613
February ...	8,265	57.7	5,658	76	933	1,598
March	8,772	58.1	5,849	95	1,091	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	1,004	1,729

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section B. Natural Rubber - (Concluded)

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

End Products	Natural Rubber (excluding latex)	Latex	Total Natural
	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials	7,019,557	40,182	7,059,739
2. Wire and cable	66,783	-	66,783
3. Footwear (including heels, soles, etc.)	1,001,534	2,532	1,004,066
4. Other products	1,321,404	408,314	1,729,718
TOTAL	9,409,278	451,028	9,860,306

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

End Products	Natural Rubber (excluding latex)	Latex	Total Natural
	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials	5,780,333	34,840	5,815,173
2. Wire and cable	55,919	-	55,919
3. Footwear (including heels, soles, etc.)	1,059,002	1,454	1,060,456
4. Other Products	1,197,651	354,739	1,552,390
Total	8,092,905	391,033	8,483,938

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section C. Synthetic Rubber

The September 1950 and October 1950 consumption of Synthetic Rubber is shown by types and by end products classification, in Table 10.

Summary data, by months, are shown in Tables 8 and 9, while 1943-1949 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, 1943-1949, and Percentages of Synthetic Rubber to All Rubber Consumed.

Year	Total	Monthly Average	Percentages
	Pounds	Pounds	%
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	5,529,831	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

Table 8. - Consumption of Synthetic Rubber, by Types and by Months, October 1949 to October 1950.

Year and Month	Bunas-S	Butyl	Neoprene	Other	Total
	Pounds	Pounds	Pounds	Pounds	Pounds
1949 - October	2,560,331	363,816	212,157	23,781	3,160,085
November	2,492,100	433,005	184,654	21,463	3,131,222
December	2,506,609	468,677	209,291	29,340	3,213,917
1950 - January	2,701,828	461,824	229,930	27,915	3,421,497
February	2,884,387	511,313	228,794	29,449	3,653,943
March	2,974,268	494,534	272,921	30,651	3,772,374
April	2,931,191	505,518	214,213	27,130	3,678,052
May	3,240,788	571,476	265,749	36,054	4,114,067
June	3,247,191	518,822	272,301	31,101	4,069,415
July	3,027,299	569,205	148,396	25,495	3,770,395
August	3,551,453	479,769	293,427	37,297	4,361,946
September	4,059,099	741,566	250,892	36,199	5,087,756
October	3,857,537	872,361	251,845	83,455	5,065,198

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section C. Synthetic Rubber (Continued)

Table 9. - Consumption of Synthetic Rubber, in Total, by End Products, and by Months, January 1948 to October 1950 showing also Percentage of Synthetic to All Rubber Consumed.

Year and Month	Synthetic Rubber		Used in the manufacture of -			
	Total	Percentage of All Rubber	Tires and Tubes ^x	Wire and Cable	Foot-wear	Other Products
	000's pounds	Per cent	000's pounds	000's pounds	000's pounds	000's pounds
1948 - January....	4,665	30.2	3,495	203	365	602
February ..	4,223	28.7	3,076	183	364	600
March	4,026	25.5	2,830	256	338	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	649
July	3,139	26.6	2,299	137	217	486
August	2,915	28.1	1,960	159	273	523
September ..	3,607	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	338	618
December ..	4,021	26.8	2,883	213	287	638
1949 - January ...	3,686	26.5	2,696	211	256	523
February ..	3,798	27.7	2,646	249	366	537
March	3,916	26.9	2,726	272	336	582
April	3,948	30.2	2,867	216	327	538
May	3,760	28.5	2,687	204	379	490
June	3,488	26.5	2,418	161	381	528
July	2,599	26.4	1,838	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	218	445	486
November ..	3,131	24.8	2,046	258	289	538
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	530	1,037

^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, October 1950.

End Products	<u>Buna-S</u>		Buna-N	Butyl	Neoprene	Other	Total Synthetic
	<u>Solid</u>	<u>Latex</u>					
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1. Tires, tubes, and tire repair materials	2,264,959	66,641	425	847,347	4,304	-	3,183,676
2. Wire and cable .	191,095	-	-	1,229	122,105	-	314,429
3. Footwear (including heels, soles, etc.)	516,185	-	268	1	4,421	9,488	530,363
4. Other products .	775,302	43,355	10,117	23,784	121,015	63,157	1,036,730
TOTAL	3,747,541	109,996	10,810	872,361	251,845	72,645	5,065,198

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

End Products	<u>Buna-S</u>		Buna-N	Butyl	Neoprene	Other	Total Synthetic
	<u>Solid</u>	<u>Latex</u>					
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1. Tires, tubes, and tire repair materials	2,436,904	55,635	-	720,360	2,211	-	3,215,110
2. Wire and cable .	201,786	-	-	590	136,944	-	339,320
3. Footwear (including heels, soles, etc.)	627,900	-	104	-	8,244	8,275	644,523
4. Other products .	681,334	55,540	11,561	20,616	103,493	16,259	888,803
TOTAL	3,947,924	111,175	11,665	741,566	250,892	24,534	5,087,756



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CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section D, Reclaim Rubber

Table 11 gives the consumption of Reclaim in total for the years 1939-1949 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, October 1949 to October 1950. Of the 2,914,092 pounds consumed in October 1950, 115,021 pounds were consumed in the form of dispersions and 2,799,071 pounds as other than dispersions. For summary data on Reclaim, Synthetic, and other rubber stocks, domestic production and domestic consumption, expressed in long tons, see Table 1.

Table 11. - Consumption of Reclaim Rubber in Total, and by Monthly Averages, 1939-1949, 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
1940	18,896,640	1,574,720	18.6
1941	21,208,320	1,767,360	15.1
1942	28,008,960	2,334,080	22.9
1943	31,342,080	2,611,840	29.8
1944	28,277,760	2,356,480	26.9
1945	34,298,880	2,858,240	26.8
1946	31,673,600	2,639,467	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

Table 12. - Consumption of Reclaim Rubber in Total, by End Products, and by Months, October 1949 to October 1950, showing also percentage of Reclaim to All Rubber Consumed.

Year and Month	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
1949 - October ...	2,213	17.2	935	16	241	1,021
November ..	2,009	16.0	972	16	220	801
December ..	2,326	17.3	1,090	19	202	1,015
1950 - January ...	2,357	17.0	1,204	23	189	941
February ..	2,399	16.8	1,186	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	1,490	22	225	1,177