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## 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 1954 as compared with August 1954 shows an increase in natural of 2,312,597 pounds, an increase in synthetic of 1,038,617 pounds and an increase in reclaim of 794,583 pounds, the total increase being 4,145,797 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 3,233,049 pounds, consumption in rubber footwear increased by 286 pounds, in wire and cable decreased by 61,450 pounds and in other products increased by 973,912 pounds, making the total increase of 4,145,797 pounds mentioned above.

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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, 1939-1953, and Actual Monthly Totals, January to September 1954.

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
<b>Monthly Averages</b>								
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 - January..	5,220	6,235	1,745	7,287	360	3,068	2,574	1,117
February..	5,388	5,785	1,647	6,739	383	3,503	3,060	1,251
March ...	4,875	5,818	1,483	7,382	368	3,637	2,880	1,351
April ...	5,162	5,161	1,375	7,100	336	3,320	2,651	1,253
May .....	5,043	6,041	1,422	7,331	353	3,484	2,717	1,240
June .....	5,210	5,987	1,504	5,868	346	3,701	2,757	1,200
July .....	4,951	5,905	1,355	5,846	237	2,813	1,945	871
August ..	5,203	6,409	1,397	7,334	266	2,799	1,973	627
September	4,495	6,172	1,406	7,896	279	3,832	2,436	982

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

Type of Rubber	Inventory September 1, 1954	Production	Inventory September 30, 1954
<u>Natural Rubber</u>			
Crude Rubber .....	-	-	-
Natural Latex .....	70	-	23
Total Natural Rubber ..	70	-	23
<u>Synthetic Rubber</u>			
Buna-S .....	2,441	5,137	2,084
Butyl .....	272	1,813	295
Neoprene .....	25	-	21
All Other .....	1,314	946	1,595
Total Synthetic Rubber..	4,052	7,896	3,995
<u>Reclaim Rubber</u>			
Dispersions .....	22	24	27
Other than Dispersions ...	57	255	63
Total Reclaim Rubber ...	79	279	90
GRAND TOTAL .....	4,201	8,175	4,108

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

Type of Rubber	Inventory Sept. 1, 1954	Receipts (Imports, etc.)	Con- sump- tion	Sales (Exports, etc.)	Inventory Sept. 30, 1954
<u>Natural Rubber</u>					
Crude Rubber .....	4,834	2,867	3,537	-	4,164
Natural Latex .....	299	344	295	40	308
Total Natural Rubber ...	5,133	3,211	3,832	40	4,472
<u>Synthetic Rubber</u>					
Buna-S, Solid .....	1,579	1,759	1,854	5	1,479
Buna-S, Latex .....	123	67	97	5	88
Buna-N .....	21	8	11	-	18
Butyl .....	375	175	256	-	294
Neoprene .....	216	205	170	-	251
All Other .....	43	60	48	8	47
Total Synthetic Rubber.	2,357	2,274	2,436	18	2,177
<u>Reclaim Rubber</u>					
Dispersions .....	51	30	25	-	56
Other than Dispersions ...	1,267	950	957	-	1,260
Total Reclaim .....	1,318	980	982	-	1,316
GRAND TOTAL .....	8,808	6,465	7,250	58	7,965



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, 1954

	Natural	Synthetic	Reclaim	Total All Rubber
	pounds	pounds	pounds	pounds
1. Tires, tubes and tire repair materials .....	5,937,565	3,440,866	1,399,116	10,777,547
2. Wire and cable .....	65,323	352,995	5,000	423,318
3. Footwear (including heels, soles, etc.) .....	813,880	660,398	189,264	1,663,542
4. Other products .....	1,767,186	1,005,151	605,656	3,377,993
TOTAL .....	8,583,954	5,459,410	2,199,036	16,242,400

Table 3(b) - Consumption of all Rubber by Types and by End Products  
Classification, August, 1954

End Products	Natural	Synthetic	Reclaim	Total All Rubber
	pounds	pounds	pounds	pounds
1. Tires, tubes and tire repair materials .....	4,181,473	2,571,645	791,380	7,544,498
2. Wire and cable .....	38,017	383,185	1,830	423,032
3. Footwear (including heels, soles, etc.) .....	898,619	616,752	209,621	1,724,992
4. Other products .....	1,153,248	849,211	401,622	2,404,081
TOTAL .....	6,271,357	4,420,793	1,404,453	12,096,603

Table 4 - Consumption of all Rubber in Total, by Types, showing  
percentages of Each Type to all Rubber Consumed, 1939  
to 1953.

	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

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Section B. Natural Rubber

The September 1954 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 1953 to September 1954 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, 1954.

End Products	Natural Rubber (excluding Latex) pounds	Latex pounds	Total Natural pounds
1. Tires, tubes and tire repair materials .....	5,925,661	11,904	5,937,565
2. Wire and cable .....	65,323	-	65,323
3. Footwear (including heels, soles, etc.) .....	811,841	2,039	813,880
4. Other products .....	1,119,472	647,714	1,767,186
TOTAL .....	7,922,297	661,657	8,583,954

Table 6 - Consumption of Natural Rubber in Total, by End Products, September 1953 to September 1954, 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
1953 - September ....	7,249	45.3	4,592	86	843	1,728
October .....	7,574	46.4	5,186	86	877	1,425
November .....	7,658	46.0	5,249	72	649	1,688
December .....	7,608	45.6	5,409	61	360	1,778
1954 - January .....	6,872	45.4	4,731	51	475	1,615
February .....	7,847	44.8	5,127	67	683	1,970
March .....	8,148	46.2	5,230	73	713	2,132
April .....	7,437	46.0	5,013	83	640	1,701
May .....	7,805	46.8	5,498	60	604	1,643
June .....	8,291	48.3	5,871	44	726	1,650
July .....	6,301	50.0	4,696	36	402	1,167
August .....	6,271	51.8	4,181	38	899	1,153
September ....	8,584	52.9	5,938	65	814	1,767

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Section C. Synthetic Rubber

The September 1954 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, 1954.

	Buna-S						Total Synthetic
	Solid	Latex	Buna-N	Butyl	Neoprene	Other	
	pounds	pounds	pounds	pounds	pounds	pounds	
1. Tires, tubes & tire repair materials .....	2,798,457	114,099	235	511,211	16,864	-	3,440,866
2. Wire & Cable ...	135,700	-	-	18,370	198,925	-	352,995
3. Footwear (including heels, soles, etc.)...	565,440	277	-	35	12,487	82,159	660,398
4. Other products..	654,343	102,006	25,619	44,493	153,338	25,352	1,005,151
TOTAL .....	4,153,940	216,382	25,854	574,109	381,614	107,511	5,459,410

Table 8 - Consumption of Synthetic Rubber, in Total, by End Products, September 1953 to September 1954, showing also Percentages of Synthetic to all Rubber Consumed.

	Synthetic		Used in 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
1953 - September ...	5,976	37.3	3,888	423	629	1,036
October .....	6,082	37.2	3,966	383	651	1,082
November.....	6,311	38.0	4,169	482	584	1,076
December.....	6,115	36.6	3,968	434	601	1,112
1954 - January.....	5,768	38.1	3,797	417	608	946
February ....	6,857	39.2	4,430	440	806	1,181
March.....	6,454	36.6	4,015	477	655	1,307
April .....	5,941	36.7	3,835	348	647	1,111
May .....	6,088	36.5	4,079	323	636	1,050
June .....	6,179	36.0	4,053	348	735	1,043
July .....	4,357	34.5	3,091	145	432	689
August .....	4,421	36.6	2,572	383	617	849
September ...	5,459	33.6	3,441	353	660	1,005



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Table 9 - Consumption of Synthetic Rubber, by Types, September 1953 to September 1954

	Buna-S	Butyl	Neoprene	Other	Total
	pounds	pounds	pounds	pounds	pounds
1953 - 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
November.....	5,033,705	751,808	394,419	131,513	6,311,445
December.....	4,714,911	841,576	400,504	158,351	6,115,342
1954 - January .....	4,273,646	947,855	406,959	139,514	5,767,974
February .....	5,256,320	977,620	455,747	167,953	6,857,640
March .....	4,913,936	874,564	481,195	184,062	6,453,757
April .....	4,537,600	872,621	368,781	162,287	5,941,289
May .....	4,791,801	842,834	311,407	141,591	6,087,633
June .....	4,686,088	960,393	369,743	163,138	6,179,362
July .....	3,453,247	563,062	222,504	118,062	4,356,875
August .....	3,493,064	465,466	352,857	109,406	4,420,793
September ....	4,370,322	574,109	381,614	133,365	5,459,410

Section D. Reclaim Rubber

Table 10 gives the consumption of Reclaim in total only, by end products classification September 1953 to September 1954. Of the 2,199,036 pounds consumed in September 1954, 55,779 pounds were consumed in the form of dispersions and 2,143,257 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, 1953 to September 1954, showing also Percentage of Reclaim to all Rubber Consumed.

	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
1953 - September .....	2,790	17.4	1,586	7	161	1,036
October .....	2,683	16.4	1,614	10	206	853
November .....	2,636	16.0	1,678	7	136	815
December .....	2,964	17.8	1,776	9	136	1,043
1954 - January .....	2,502	16.5	1,466	10	110	916
February .....	2,803	16.0	1,634	14	163	992
March .....	3,027	17.2	1,769	4	194	1,060
April .....	2,807	17.3	1,723	7	171	906
May .....	2,777	16.7	1,725	6	156	891
June .....	2,690	15.7	1,773	4	165	748
July .....	1,951	15.5	1,395	2	103	451
August .....	1,404	11.6	791	2	209	402
September .....	2,199	13.5	1,399	5	189	606

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