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CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

APRIL, 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 April, 1950 as compared with March, 1950 shows a decrease in natural of 982,393 pounds, a decrease in synthetic of 94,322 pounds, and a decrease in reclaim of 178,278 pounds, the total decrease being 1,254,993 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, decreased by 490,574 pounds, consumption in rubber footwear decreased by 370,886 pounds, in wire and cable decreased by 110,650 pounds, and in other products decreased by 232,883 pounds, making the total decrease of 1,254,993 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 - April 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	1,173
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 .....	6,133	4,678	1,715	3,837	290	3,192	1,505	983
1949- January ...								
February ..	6,412	5,106	1,870	4,762	329	3,487	1,644	1,084
March .....	7,713	4,512	1,851	3,792	270	3,397	1,696	1,035
April .....	7,032	4,013	1,703	4,147	299	3,620	1,743	1,123
May .....	7,200	4,299	1,787	3,376	254	3,075	1,763	991
June .....	7,492	4,755	1,826	4,543	309	3,194	1,677	1,028
July .....	5,891	3,790	1,461	4,224	265	3,209	1,556	1,108
August .....	5,230	5,307	1,471	4,119	143	2,452	1,160	780
September ..	5,331	5,820	1,602	4,446	304	2,432	1,186	752
October ...	5,202	5,240	1,587	3,640	312	3,259	1,391	962
November ..	5,704	4,805	1,783	2,938	329	3,338	1,411	988
December ..	5,272	4,050	1,793	2,707	326	3,324	1,397	897
1950- January ...								
February ..	5,181	4,442	1,845	3,948	335	3,512	1,434	1,038
March .....	5,734	4,443	1,712	4,625	317	3,608	1,527	1,052
April .....	4,964	4,300	1,695	4,345	291	3,690	1,630	1,070
May .....	4,983	4,110	1,607	5,290	322	3,916	1,633	1,139
June .....	5,272	4,700	1,652	4,604	343	3,477	1,640	1,059

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 April 1, 1950	Production	Inventory April 30, 1950
<u>Natural Rubber -</u>			
Crude Rubber .....	-	-	-
Natural Latex .....	24	-	28
Total Natural Rubber .....	24	-	28
<u>Synthetic Rubber -</u>			
Buna-S .....	1,065	3,647	1,662
Butyl .....	897	911	906
Neoprene .....	27	-	24
All other .....	489	46	399
Total Synthetic Rubber .....	2,478	4,604	2,991
Total Natural and Synthetic .	2,502	4,604	3,019
<u>Reclaim Rubber -</u>			
Dispersions .....	18	33	25
Other than dispersions .....	200	310	118
Total Reclaim Rubber .....	218	343	143
GRAND TOTAL .....	2,720	4,947	3,162

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

Type of Rubber	Inventory April 1, 1950	Receipts (imports, etc.)	Con- sumption	Sales (exports etc.)	Inventory April 30, 1950
<u>Natural Rubber -</u>					
Crude Rubber .....	4,771	3,576	3,294	-	5,053
Natural Latex .....	188	203	183	17	191
Total Natural Rubber .....	4,959	3,779	3,477	17	5,244
<u>Synthetic Rubber -</u>					
Buna-S, Solid .....	1,212	1,331	1,267	-	1,276
Buna-S, Latex .....	52	55	41	4	62
Buna-N .....	7	6	3	-	10
Butyl .....	194	188	225	-	157
Neoprene .....	127	129	95	-	161
All other .....	40	17	9	5	43
Total Synthetic .....	1,632	1,726	1,640	9	1,709
Total Natural and Synthetic	6,591	5,505	5,117	26	6,953
<u>Reclaim Rubber -</u>					
Dispersions .....	48	57	45	-	60
Other than dispersions .....	1,341	1,122	1,014	-	1,449
Total Reclaim Rubber .....	1,389	1,179	1,059	-	1,509
GRAND TOTAL .....	7,980	6,684	6,176	26	8,462



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, April, 1950.

End Products	Natural	Synthetic	Reclaim	Total All Rubber
	Pounds	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials .....	5,244,559	2,418,513	1,150,725	8,813,797
2. Wire and cable .....	65,173	258,694	14,681	333,548
3. Footwear (including heels, soles, etc.) .....	944,084	312,292	184,388	1,440,764
4. Other products .....	1,536,206	688,553	1,024,335	3,249,094
 TOTAL .....	 7,790,022	 3,678,052	 2,374,129	 13,842,203

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

End Products	Natural	Synthetic	Reclaim	Total All Rubber
	Pounds	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials .....	5,848,963	2,251,103	1,204,305	9,304,371
2. Wire and cable .....	94,792	331,114	23,292	449,198
3. Footwear, (including heels, soles, etc.) .....	1,090,912	482,699	238,039	1,811,650
4. Other Products .....	1,737,748	707,458	1,086,771	3,531,977
 TOTAL .....	 8,772,415	 3,772,374	 2,552,407	 15,097,196

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER  
Section E, Natural Rubber

The March 1950 and April 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 April 1949 to April 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	Per Cent
1939 .....	70,828,800	5,902,400	30.8
1940 .....	82,871,040	6,905,920	31.4
1941 .....	119,239,680	9,936,640	34.9
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	1,090,840	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, April 1949 to April 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- April .....	6,888	52.8	4,806	78	755	1,249
May .....	7,154	54.1	4,964	91	941	1,158
June .....	7,190	54.6	5,067	31	796	1,296
July .....	5,494	55.8	3,980	26	597	891
August ....	5,448	55.7	3,332	97	980	1,039
September .	7,299	53.1	4,924	65	912	1,398
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	53.3	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

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, April 1950.

End Products	Natural Rubber (excluding latex)	Latex	Total Natural
	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials .....	5,212,220	32,339	5,244,559
2. Wire and cable .....	65,173	-	65,173
3. Footwear (including heels, soles, etc.) .....	942,018	2,066	944,084
4. Other products .....	1,159,979	376,227	1,536,206
<b>TOTAL .....</b>	<b>7,379,390</b>	<b>410,632</b>	<b>7,790,022</b>

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

End Products	Natural Rubber (excluding latex)	Latex	Total Natural
	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials .....	5,818,888	30,075	5,848,963
2. Wire and cable .....	94,792	-	94,792
3. Footwear (including heels, soles, etc.) .....	1,089,120	1,792	1,090,912
4. Other Products .....	1,289,410	448,338	1,737,748
<b>TOTAL .....</b>	<b>8,292,210</b>	<b>480,205</b>	<b>8,772,415</b>



CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section C, Synthetic Rubber

The March 1950 and April 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	Percentage
	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, April 1949 to April 1950.

	Buna-S	Butyl	Neoprene	Other	Total
	Pounds	Pounds	Pounds	Pounds	Pounds
1949 - April .....	3,295,160	437,469	182,656	32,230	3,947,515
May .....	3,153,583	401,789	193,233	11,679	3,760,284
June .....	2,930,548	357,375	183,188	16,616	3,487,727
July .....	2,169,349	302,339	109,412	18,458	2,599,558
August .....	2,244,334	244,569	147,848	20,705	2,657,456
September ..	2,542,996	332,555	217,127	23,993	3,116,671
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

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 April 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 <sup>x</sup>	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	253	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

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, April 1950.

End Products	Buna-S		Buna-N	Butyl	Neoprene	Other	Total Synthetic
	Solid	Latex					
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1. Tires, tubes and tire repair materials .....	1,874,513	50,233	-	488,982	4,785	-	2,418,513
2. Wire and cable ..	155,099	-	-	-	103,595	-	258,694
3. Footwear (including heels, soles, etc.) ....	301,323	-	100	-	4,250	6,619	312,292
4. Other products ..	508,349	41,674	6,972	16,536	101,583	13,439	688,553
TOTAL .....	2,839,284	91,907	7,072	505,518	214,213	20,058	3,678,052

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

End Products	Buna-S		Buna-N	Butyl	Neoprene	Other	Total Synthetic
	Solid	Latex					
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1. Tires, tubes, and tire repair materials .....	1,707,557	56,155	300	479,303	7,788	-	2,251,103
2. Wire and cable ..	180,202	-	-	912	150,000	-	331,114
3. Footwear (including heels, soles, etc.) ....	473,233	-	320	-	3,784	5,362	482,699
4. Other products ..	524,357	32,764	11,583	14,319	111,349	13,086	707,458
TOTAL .....	2,885,349	88,919	12,203	494,534	272,921	18,448	3,772,374



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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, April 1949 to April 1950. Of the 2,374,129 pounds consumed in April 1950, 102,175 pounds were consumed in the form of dispersions and 2,271,954 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 Pounds	Monthly Average Pounds	Percentage to All Rubber
1939 .....	16,326,380	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	2,611,340	29.8
1944 .....	28,277,760	2,356,480	26.9
1945 .....	34,298,830	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, April 1949 to April 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 - April .....	2,218	17.0	1,241	19	157	801
May .....	2,304	17.4	1,226	19	179	880
June .....	2,482	18.9	1,208	35	203	1,036
July .....	1,748	17.8	947	8	130	663
August ....	1,684	17.2	756	21	201	706
September .	2,157	17.1	1,065	19	206	867
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	183	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