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DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS

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GENERAL MANUFACTURING STATISTICS

MONTHLY REPORT

ON

CONSUMPTION,

PRODUCTION AND INVENTORIES

OF RUBBER

JULY, 1948



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Dominion Statistician:
Director, Census of Industry and Merchandising:
Chief. General Manufacturing Statistics:

Herbert Marshall W. H. Losee A. Cohen

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

JULY, 1948

Commencing with March 1947, the Dominion Bureau of Statistics undertook the continuance and publication, in a modified form, of the monthly rubber statistics developed during the years of control. Historical tables were prepared, largely from the Rubber Control records, and are included in this report in order that valuable material may thus be presented in a condensed form, and also that relationships may be established for the evaluation of current data. These statistics show clearly, during the later war years, the impact on rubber consumers of the loss of natural rubber supplies, and the consequent growth of the synthetic rubber industry. They also evidence, in the post-war period, the gradually increasing availability of natural rubber, and, since they show consumption by broad end products divisions, changes in the percentages of natural and synthetic consumed in each division may be said to contain inferences as to the suitabilities of each type.

Early publications in this series contained a Rubber Balance Statement, in which an attempt was made to account for all rubber entering or produced in Canada. However, assumptions which were valid during the period of control due to the fact that the movements of the commodity were under direction, are no longer sufficiently reliable to permit the publication of import - export data based on receipts and sales of manufacturers, or to assume that the imports of some specific synthetic by a particular manufacturer represent the total new supply of this synthetic. Nor can the inventories of manufacturers, whether producing or consuming, be considered a total since the re-establishment of normal trade channels indicates dealer inventories outside the scope of an industry survey. Also the quantity of foreign or domestic rubber in transit at the close of any period is not known.

Therefore, the statistics now available monthly, are considered only to represent clearly and accurately (a) the new domestic production of synthetic and reclaim, and the inventories of firms reporting this production, and (b) the total consumption of rubber, whether foreign or domestic, together with inventories, receipts and sales of rubber by consuming manufacturers in all industries. The addition of the two inventories give the total stocks held by industry.

The historical tables have now been revised to omit import-export columns, and the current rubber balance statement has been broken down into (a) and (b) as outlined in the preceding paragraphs.

However, despite the fact that the total available supply is not known and that it is impossible to relate shipments and receipts, the data given in (b) do ultimately account for the total consumption of rubber in Canada, and should be capable of being co-related with new production and export - import data (as compiled by External Trade Branch, D.B.S.) over a period of months.

The sections showing consumption of rubber, by types, and by end products have not been changed, since they do correctly represent total consumption in each case.

Section A. Canadian Rubber Balance Statement

This section includes summary data on natural, synthetic and reclaim rubber, showing stocks, domestic production and domestic consumption. Table 1 gives yearly averages, 1939 - 1947, and actual months, January, 1946 to July, 1948. Table 2 gives details for June and July, 1948.

For detailed data for 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 - 1947, and Actual Monthly Totals, January 1946 to July, 1948.

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.	660		4,436	-	789
1942	n.a.	n.a.	4,560	-1.	1	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

Table 1. - Summary Statement of all Rubber Stocks, Domestic Production, Domestic Consumption showing Monthly Averages, 1939 - 1947, and Actual Monthly Totals, January, 1946 to July, 1948. - Concluded.

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

Period	i.	Stocks	, End of	Period	Domes		Domest	ic Consu	mpt ion
		Natural	Syn- Thetic	Re- claim	Syn- thetic	Re- claim	Natural	Syn- thetic	Re- claim
Month	ly Totals								
1946 -	- Jan	3,025	4,995	2,150	4,255	290	674	3,446	1,525
	Feb	2,466	4,183	2,228	3,818	326	707	3,356	1,400
	Mar	3,000	3,871	2,358	3,816	343	835	3,741	1,537
	Apr	2,845	3,773	2,575	4,317	288	817	3,808	1,503
	May	2,278	3,332	2,572	3,707	341	938	3,699	1,418
	June	1,775	3,978	2,409	4,542	300	702	2,946	1,363
	July	2,021	7,058	2,672	4,282	264	172	588	519
	Aug	2,929	9,045	3,054	4,570	352	229	530	594
	Sept	4,307	8,742	3,235	3,728	349	294	635	656
	Oct	5,752	7,734	3,530	4,526	344	433	1,051	846
	Nov	7,661	5,829	3,194	4,634	414	1,854	3,048	1,485
	Dec	5,885	4,565	3,455	4,786	356	1,850	2,768	1,292
1947 -		3,729	4,316	3,195	4,408	329	2,153	3,195	1,533
	Feb	2,876	4,551	3,114	4,024	330	2,224	2,823	1,463
	Mar	4,473	5,344	2,872	4,466	360	2,440	2,876	1,570
	Apr	7,187	5,473	2,931	4,628	360	2,476	2,942	1,395
	May	9,992	4,953	2,772	3,467	359	2,643	2,889	1,438
	June	10,108	4,488	2,599	3,392	334	2,627	2,540	1,299
	July	10,045	3,733	2,629	3,480	225	2,433	2,059	1,120
	Aug	9,679	4,269	2,680	3,533	298	2,192	1,719	983
	Sept	8,129	3,349	2,451	1,944	337	3,226	2,113	1,393
	Oct	7,167	3,475	2,440	3,034	424	3,330	2,080	1,397
	Nov	5,260	3,846	2,093	2,953	372	3,216	1,962	1,417
	Dec	5,264	4,200	2,282	3,064	397	3,314	1,980	1,314
1948 -	Jan	5,739	3,921	2,246	3,648	371	3,458	2,081	1,339
	Feb	5,704	4,062	2,162	3,388	388	3,474	1,886	1,216
	Mar	5,585	3,862	2,041	3,560	427	3,882	1,797	1,359
	Apr	5,833	4,074	2,181	2,787	391	3,694	1,865	1,172
	May	5,400	5,337	2,338	3,647	382	3,328	1,588	1,020
	June	5,177	5,252	2,185	2,841	368	3,762	1,771	1,203
	July	5,478	5,323	1,916	2,750	210	2,909	1.402	951

Note: Poundage of Guayule Rubber included in Natural Rubber totals in on a deresinated basis. All other wild rubber is calculated on a Washed and Dried basis. Also it should be particularly noted that all stocks are taken at the raw level, or the level at which rubber may be used as a material. They would include compound latex purchased for consumption by a manufacturer, but would not include the semi-processed, or finished goods, held in inventory by the manufacturer.

Table 2(a). - NEW SUPPLY. Statement of Manufacturers producing Synthetic and Reclaim Rubber.

(Weight in Long Tons)

Type of Rubber	Inventory July 1, 1948	Production	Inventory July 31, 1948
Natural Rubber -			
Crude Rubber		_	_
Natural Latex	45	-	31
Total Natural Rubber	45	-	31
Synthetic Rubber -			
Buna-S, Solid	(1.944	2,235	1,971
Buna-S, Latex	(, , , , , , , , , , , , , , , , , , ,	204	57
Buna-N Solid	36	11	32
Butyl, Solid	1,694	300	1,563
Neoprene	50	-	62
All other	-	-	
Total Synthetic Rubber	3,724	2,750	3,685
Total Natural and			
Synthetic Rubber	3,769	2,750	3,716
Reclaim Rubber -			
Dispersions	15	19	20
Other than dispersions	182	191	225
Total Reclaim Rubber	197	210	245
GRAND TOTAL	3,966	2,960	3,961

Table 2(b), - CONSUMPTION	t of Manuf		onsuming Ru	bber	
	The state of the s	Receipts	the same of the sa	Sales	Inventory
Type of Rubber		LON.		(exports.	
Civil	1948			etc.)	
Natural Rubber -					
Crude Rubber	4,954	3,191	2,860	30	5,255
Natural Latex	178	64	49	1	192
Total Natural Rubber	5,132	3,255	2,909	31	5,447
Synthetic Rubber -					
Buna S	1,256	1,309	1,167	-	1,398
Butyl	151	142	173		120
Neoprene	94	61	56	1	98
All other	27	4	6	3	22
Total Synthetic Rubber	1,528	1,516	1,402	4	1,638
Total Natural and					
Synthetic Rubber	6,660	4,771	4,311	35	7,085
Reclaim Rubber -					
Dispersions	43	60	48	-	55
Other than dispersions	1,945	588	903	14	1,616
Total Reclaim Rubber	1,988	648	951	14	1,671
					72 1 1
CRAND TOTAL	8,648	5,419	5,262	49	8,756

Table 3(a). - Consumption of all Rubber, by Main Types and by End Product Classification, June, 1948.

End Products	Natural	Synthetic	Reclaim	Total All Rubber
	Pounds	Pounds	Pounds	Pounds
1. Tires and tubes, including tire repair materials	6,189,180	2,750,289	1,199,948	10,139,417
2. Wire and cable	91,445	227,701	61,034	380,180
3. Footwear (including heels, soles, etc.)	1,056,658	338,546	231,056	1,626,260
4. Other products	1,089,457	649,353	1,205,641	2,944,451
TOTAL	8,426,740	3,965,889	2,697,679	15,090,308

Table 3(b). - Consumption of All Rubber, by Main Types and by End Product Classification, July, 1948.

End Products	Natural	Synthetic	Reclaim	Total All Rubber
	Pounds	Pounds	Pounds	Pounds
1. Tires and tubes, including tire repair materials	5,125,902	2,298,852	1,040,451	8,465,205
2. Wire and cable	46,192	137,012	21,905	205,109
3. Footwear (including heels, soles, etc.)	614,786	217,452	208,887	1,041,125
4. Other products	728,460	486,227	858,945	2,073,632
TOTAL	6,515,340	3,139,543	2,130,188	11,785,071

Tire repair materials, now included with tires and tubes, and mechanical goods, now included with other products, were shown separately previous to January, 1948. The present grouping is by arrangement with the Rubber Association of Canada.

Section B. Natural Rubber

The June and July, 1949 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, January, 1947 to July, 1948 are shown in Table 5, and 1939 - 1947 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, domestic consumption, expressed in long tons, see Table 1. However, when comparing monthly consumption of natural rubber, as given in Table 1, with consumption as shown in detailed tables by end product classification, it should be noted that in Table 1, Guayule Rubber is reduced to a deresinated basis, whereas in the detailed tables it is included at the weight reported by the firms. Commencing with March 1, 1947, poundage Guayule included in all tables is on a deresinated basis, and totals should, therefore agree.

Table 4. - Consumption of Natural Rubber in Total, showing Monthly Averages 1939-1947 and percentages of Natural to All Rubber consumed.

Year	Total Pounds	Monthly Averages Pounds	Percentage to All Rubber Per cent
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

Table 5. - Consumption of Natural Rubber in Total, by End Products, and by Months, January, 1947 to July, 1948, Showing also percentage of Natural to All Rubber Consumed.

	N	atural	Used in the manufacture of -					
Month	Total	Percentage of All rubber	Tires and tubes	Repairs Materials	Mechanical Goods	Wire and Cable	Footwear	Other Products
	000°s pounds	Per cent	000°s pounds	000°s	000's	000's pounds	000's pounds	000's pounds
1947 - January	4,824	31.3	3,925	56	256	20	436	130
February	4,982	34.2	3,990	50	290	24	507	119
March	5,465	35.4	4,275	42	323	22	624	178
April	5,546	36.3	4.375	42	302	25	612	190
May	5,921	37.9	4,473	30	354	35	792	237
June	5,885	40.6	4,361	39	387	45	788	265
July	5,448	43.3	4,133	36	410	14	641	214
August	4,909	44.8	3,285	38	366	36	962	222
September	7,228	47.9	5,240	47	581	53	991	316
October	7,459	48.9	5,348	56	701	83	939	332
November	7,205	48.8	5,303	56	593	59	884	310
December	7,422	50.1	5,545	57	623	92	813	292
1948 - January	7.744	50.3	5,636	(1)	(2)	88	898	1,122
February	7,782	52.8	5,743	(1)	(2)	71	958	1,010
March	8,695	55.2	6,215	(1)	(2)	90	1,115	1,275
April	8,275	54.9	5,952	(1)	(2)	102	1,130	1,091
May	7,457	56.1	5,264	(1)	(2)	80	1,047	1,066
June	8,426	55.8	6,189	(1)	(2)	91	1,057	1,089
July	6,515	55.3	5,126	(1)	(2)	46	615	728

⁽¹⁾ Included with "tires and tubes".

⁽²⁾ Included with "other products".

Table 6(a). - Consumption of Natural Rubber, by Types and by End Product Classification, June, 1948.

End Products	Natural Rubber (excluding latex)	Latex	Total Natural
	Pounds	Pounds	Pounds
l. Tires and tubes, including tire repair materials	6,166,977	22,203	6,189,180
2, Wire and cable	91,445	600	91,445
3. Footwear (including heels, soles, etc.)	1,055,460	1,198	1,056,658
4. Other Products	934,935	154,522	1,089,457
TOTAL	8,248,817	177,923	8,426,740

Table 6(b). - Consumption of Natural Rubber, by Types and by End Product Classification, July, 1948.

End Products	Natural Rubber (excluding latex)	Latex	Total Natural
	Pounds	Pounds	Pounds
l. Tires and tubes, including tire repair materials	5,105,596	20,306	5,125,902
2, Wire and cable	46,192	-	46,192
3. Footwesr (including heels, soles, etc.)	613,792	994	614,786
4. Other products	640,692	87,768	728,460
TOTAL	6,406,272	109,068	6,515,340

Tire repair materials, now included with tires and tubes, and mechanical goods, now included with other products, were shown separately previous to January 1948. The present grouping is by arrangement with the Rubber Association of Canada.

Section C. Synthetic Rubber

The June and July, 1948 consumption of Synthetic Rubber is shown by type, and by end products classification, in Table 10.

Summary data, by months are shown in Tables 8 and 9, while 1943 - 1947 yearly totals and monthly averages are given in Table 7.

For summary data on Synthetic and other rubber stocks, domestic production, domestic consumption, expressed in long tons, see Table 1.

Table 7. - Consumption of Synthetic Rubber in Total, showing Monthly Averages, 1943 - 1947 and Percentages of Synthetic Rubber to All Rubber Consumed.

Year	Total	Monthly Average	Percentage
1943	8,252,160 pounds	687,680 pounds	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

Table 8. - Consumption of Synthetic Rubber, by Types and by Months, January 1947 to July 1948.

Month		Buna S	Butyl	Neoprene	Other	Total
		Pounds	Pounds	Pounds	Pounds	Pounds
1947 -	January	5,710,124	1,199,032	230,720	18,173	7,158,049
	February	5,034,216	1,095,348	176,960	18,814	6,325,338
	March	5,122,804	1,001,714	241,890	76,249	6,442,657
	April	5,201,926	1,162,252	217,750	9,477	6,591,405
	May	5,135,107	1,092,810	225,866	16,464	6,470,247
	June	4,447,404	960,038	219,914	63,014	5,690,370
	July	3,689,525	759,452	146,944	15,129	4,611,050
	August	3,059,955	665,754	116,599	10,323	3,852,631
	September	3,661,306	882,330	177,278	13,099	4,734,013
	October	3,607,668	858,690	174,591	18,630	4,659,579
	November	3,394,278	815,672	169,987	16,585	4,396,522
	December	3,380,775	925,781	122,208	7,035	4,435,799
1948 -	January	3,593,044	923,787	130,949	16,929	4,664,709
	February	3,320,024	733,907	146,740	22,880	4,223,551
	March	3,373,629	460,765	165,141	26,268	4,025,803
	April	3,508,423	446,890	204,995	20,493	4,180,801
	May	2,969,325	385,312	184,528	20,383	3,559,548
	June	3,223,223	524,704	191,943	26,019	3,965,889
	July	2,614,210	386,787	125,003	13,543	3,139,543

Table 9. - Consumption of Synthetic Rubber, in Total, by End Products, and by Months, January, 1947-July, 1948 showing also Percentage of Synthetic to all Rubber Consumed.

Month		Synthe	tic Rubber	Used in the Manufacture of -						
		Total	Percentage of All rubber	Tires and Tubes	Repair Materials	Mechanical Goods	Wire and Cable	Footwear	Other Product	g
		000°s pounds	Per cent	000°s pounds	000°s pounds	000's pounds	000's pounds	000°s pounds	000°s pounds	and the second second
1947 -	January	7,158	46.4	5,194	95	849	183	377	459	
	February	6,325	43.3	4,828	91	474	164	375	395	
1947	March	6,443	41.8	4,717	63	670	168	51.9	306	
	April	6,591	43.2	4,774	69	646	165	575	362	
	May	6,470	41.5	4,877	51	586	231	401	325	1
	June	5,690	39.3	4,340	37	616	164	210	324	
	July	4,611	36.7	3,532	37	446	114	307	175	
	August	3,853	35.1	2,876	33	311	155	31.4	163	
	September	4,734	31.4	3,370	37	51.7	208	378	224	
	October	4,660	30.6	3,385	27	436	190	36 5	257	
	November	4,397	29.7	3,158	45	368	253	323	250	
	December	4,436	30.0	3,381	61	334	157	314	189	
1948 -	January	4,665	30.2	3,495	(1)	(2)	203	365	602	
	February	4,223	28.7	3,076	(1)	(2)	183	364	600	
	March	4,026	25.5	2,830	(1)	(2)	265	338	602	
	April	4,181	27.7	2,981	(1)	(2)	254	31.0	636	
	May	3,560	26.7	2,504	(1)	(2)	205	319	532	
	June	3,966	26.3	2,750	(1)	(2)	228	339	649	
	July	3,139	26.6	2,299	(1)	(2)	137	217	486	

⁽¹⁾ Included with "tires and tubes".

⁽²⁾ Included with "other products".

Table 10(a). - Consumption of Synthetic Rubber, by Types and by End Product Classification, June, 1948.

End Products	Buna S	Butyl	Neoprene	Other	Total Synthetic
	Pounds	Pounds	Pounds	Pounds	Pounds
1. Tires and tubes, including tire repair materials	2,234,101	515,744	444		2,750,289
2. Wire and cable	181,665	300	45,736	-	227,701
3. Footwear (including heels, soles, etc.)	333,066		980	4,500	338,546
4. Other products	474,391	8,660	144,783	21,519	649,353
'POPAL	3,223,223	524,704	191,943	26,019	3,965,889

Table 10(b). - Consumption of Synthetic Rubber, by Types and by End Product Classification, July, 1948.

End Products	Buna S	Butyl	Neoprene	Other	Total Synthetic
	Pounds	Pounds	Pounds	Pounds	Pounds
1. Tires and tubes, including tire repair materials	1,916,524	381,241	1,087		2,298,852
2. Wire and cable	108,112		28,900	-	137,012
3. Footwear (including heels, soles, etc.)	215,651	-	1,181	620	217,452
4, Other products	373,923	5,546	93,835	12,923	486,227
TOTAL	2,614,210	386,787	125,003	13,543	3,139,543

fire repair materials, now included with tires and tubes, and mechanical goods, now included with other products, were shown separately previous to January 1948. The present grouping is by arrangement with The Rubber Association of Canada.

Section D. Reclaim Rubber

Tables 11 and 12 give the consumption of Reclaim in total, for the years 1939 - 1947 with monthly averages for each year and broken down into Dispersions and Other than Dispersions, by actual months, Jan. 1947 to July, 1948. Consumption of Reclaim, in total only, by end product classification is given in Pables 3(a) and 3(b) for June and July 1948.

For summary data on Reclaim, Synthetic, and other rubber stocks, domestic production, domestic consumption, expressed in long tons, see Table 1.

Pable 11. - Consumption of Reclaim Rubber in Total, and by Monthly Averages, 1939 - 1947, showing also percentages of Reclaim to all rubber consumed.

Year	Total	Monthly Averages	Percentage to All Rubber
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	36,418,788	3,034,899	21.0

Table 12. - Consumption of Reclaim Rubber, by Types and by Months, Jan. 1947 to July, 1948, showing percentage of Reclaim to All Rubber Consumed.

	Month	Dispersions	Other than Dispersions	Total	Percentage to All Rubber
		Pounds	Founds	Pounds	Per cent
1947 =	January	147,840	3,286,080	3,433,920	22.3
	February	129,920	3,147,200	3,277,120	22.5
	March	134,392	3,381,357	3,515,749	22,8
	April	202,416	2,922,378	3,124,794	20.5
	May	168,592	3,053,234	3,221,826	20.6
	June	166,105	2,744,499	2,910,604	20.1
	July	144,393	2,365,824	2,510,217	20.0
Day !	August	130,975	2,071,196	2,202,171	20.1
	September	158,296	2,963,932	3,122,228	20.7
	October	145,241	2,984,191	3,129,432	20,5
	November	140,170	3,034,534	3,174,704	21.5
	December	125,594	2,818,269	2,943,863	19.9
1948 -	January	113,948	2,886,095	3,000,043	19.5
	February	115,805	2,608,102	2,723,907	18,5
	March	149,175	2,893,982	3,043,157	19.3
	April	135,727	2,491,562	2,627,289	17.4
	May	102,679	2,182,470	2,285,149	17.2
	June	135,761	2,561,918	2,697,679	17.9
	July	108,040	2,022,148	2,130,188	18.1



