

MAPLE PRODUCTS SUGAR AND SIRUP

TREES TAPPED • PRODUCTION
DISPOSITION • PRICE • VALUE
BY STATES, 1916-1959

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MAPLE PRODUCTS, SUGAR AND SIRUP

Trees Tapped, Production, Disposition, Price, and Value By States, 1916-59

This publication brings together official estimates of the Crop Reporting Board relating to maple products for the years 1916-59. These estimates do not include production on non-farm land in Somerset County, Maine.

Although interrupted by occasional years of relatively high production, there has been a conspicuous downward trend since 1918 which may be attributed to a substantial decline in the number of trees tapped. Many trees available for tapping have been neglected. A strong demand and high prices for maple lumber prompted some owners to cut and sell their trees. These losses are offset, to some extent, by natural growth and development of trees not yet matured; but there is little incentive to plant new bushes because of the slow growth of the trees. The sugar bushes are usually owned and cared for by individual farmers, many of whom take pride in preserving them -- not only for the products obtained but also because of the gala activities that accompany sugaring off time.

The yield per tree depends almost entirely upon the kind of weather prevailing during the tapping season in the late winter and early spring. The ideal weather for the tapping season consists of cold, crisp nights with temperatures near 20° F., together with daytime "thawing out" temperatures reaching the upper 50's. These intermittent cold and warm temperatures are required because continuous cold would stop the flow of sap, whereas steady warm temperatures would mean a premature budding of the trees and bring the tapping season to an abrupt end. A snow cover is considered beneficial during the tapping season, provided its depth does not impede gathering operations but is enough for sleds to be used in transporting the sap to the sugar house. Snow also furnishes needed moisture on each day of thawing; but a sudden melting, especially if accompanied by rain, may be detrimental.

Several interesting processes take place from the time sugar is first stored in the trees until the finished products are made. During the summer the leaves on maple trees manufacture sugar which is essential for the growth of the trees. Some of this sugar is stored in the trunk and roots of the trees; in early spring it flows in the sap. In late winter of each year, operators bore holes in the tree trunks a few feet above the ground and insert metal spouts through which sap flows, or drips, into buckets or other containers hung on the spouts. After the sap is gathered it is taken to the sugar house at the sugar camp for processing.

Sirup is produced by simple evaporation of the sap, an average of about 40 gallons being required to make one gallon of sirup. As evaporation takes place the liquid gradually thickens; when the desired consistency is obtained, the sirup is drained into cans or drums for marketing. Some of the sirup is sold direct to consumers in containers of one gallon or less, while the remainder of that marketed is sold in bulk to distributors.

Maple sugar is made by additional cooking of the sirup over slow heat. Most of the sugar is either used on the farm where it is produced or is sold locally in small quantities. It is primarily used for flavoring, for novelties or souvenirs, or as a candy.

Early settlers in parts of this country depended heavily upon maple trees for their supplies of sugar. The earliest authentic record of the production of maple sugar and maple sirup is provided by the 1860 U. S. Census, at which time more than three-fourths of all the sap gathered was made into sugar. In recent years, the shift has been almost entirely to sirup. Many factors contributed to this shift--the ready marketability of sirup--the rise of the candy industry--the price of maple sugar. Prices generally have been too low to justify the added expense and labor of making sirup into sugar.

Because of the decline in maple sugar production, the 1953 season marks the end of separate estimates of maple sugar. Beginning with 1954, estimates of maple sirup include the sirup which is later made into sugar. In order to provide comparable data for years prior to that date, production and sales of sugar and sirup in terms of equivalent sirup are shown in this bulletin, the sugar being converted to sirup on the basis of eight pounds of sugar per gallon of sirup. Estimates of the number of trees tapped end with this report. The quantity of sugar or sirup used on the farm where produced is the difference between production and sales.

Table 1.--Maple Products: Trees tapped, production, disposition, price, and value, 1916-59

UNITED STATES

Year	Trees tapped	Sugar			Sirup			Sugar and sirup			Value of -- Sales
		Produc- tion	Sold	Price per pound	Produc- tion	Sold	Price per gallon	Equiva- lent sirup Produc- tion	Sold	Produc- tion	
	1,000 trees	1,000 pounds	1,000 pounds	Dollars	1,000 gallons	1,000 gallons	Dollars	1,000 gallons	1,000 gallons	1,000 dollars	1,000 dollars
1916...	15,694	8,769	7,314	0.139	2,877	2,541	1.02	3,974	3,456	4,170	3,621
1917...	15,551	9,633	8,019	.169	3,566	3,145	1.22	4,772	4,148	5,972	5,184
1918...	17,053	11,383	9,396	.225	4,141	3,653	1.68	5,564	4,826	9,498	8,246
1919...	16,639	9,541	7,938	.276	3,262	2,872	1.92	4,456	3,865	8,866	7,697
1920...	16,672	6,928	5,727	.351	3,131	2,771	2.64	3,997	3,486	10,696	9,338
1921...	14,160	4,699	3,942	.246	2,149	1,905	1.95	2,736	2,397	5,351	4,678
1922...	15,198	5,227	4,335	.228	3,370	2,982	1.76	4,024	3,524	7,115	6,225
1923...	14,178	4,656	3,819	.267	3,262	2,895	1.93	3,843	3,374	7,511	6,594
1924...	14,193	4,096	3,406	.276	3,574	3,170	1.91	4,088	3,596	7,944	6,981
1925...	14,070	3,238	2,681	.282	2,817	2,499	1.99	3,220	2,834	6,504	5,721
1926...	13,948	3,585	2,913	.293	3,504	3,101	2.12	3,951	3,465	8,491	7,439
1927...	13,751	3,183	2,640	.287	3,429	3,053	2.05	3,828	3,384	7,934	7,004
1928...	13,489	2,189	1,801	.284	2,782	2,466	2.02	3,056	2,692	6,234	5,489
1929...	12,951	1,362	1,118	.301	2,362	2,132	2.03	2,532	2,273	5,205	4,663
1930...	13,158	2,134	1,769	.301	3,712	3,429	2.03	3,979	3,651	8,172	7,481
1931...	12,092	1,342	1,116	.262	2,247	1,929	1.72	2,415	2,068	4,207	3,610
1932...	12,064	1,277	1,038	.245	2,471	2,206	1.51	2,631	2,336	4,050	3,591
1933...	12,009	1,051	847	.209	2,218	1,964	1.18	2,349	2,069	2,839	2,489
1934...	12,099	1,044	847	.248	2,444	2,181	1.33	2,575	2,287	3,515	3,112
1935...	12,341	1,241	995	.267	3,432	3,066	1.42	3,586	3,190	5,213	4,626
1936...	11,500	721	579	.269	2,401	2,149	1.43	2,491	2,222	3,647	3,237
1937...	11,339	779	657	.288	2,497	2,273	1.60	2,593	2,354	4,237	3,836
1938...	11,380	705	581	.282	2,770	2,545	1.61	2,857	2,618	4,664	4,257
1939...	10,313	366	280	.289	2,515	2,297	1.68	2,561	2,331	4,337	3,947
1940...	9,970	394	325	.298	2,601	2,360	1.65	2,651	2,399	4,413	3,992
1941...	9,850	324	255	.298	2,013	1,834	1.74	2,052	1,865	3,600	3,265
1942...	10,046	560	441	.372	2,987	2,684	2.27	3,056	2,738	6,976	6,244
1943...	9,444	463	353	.456	2,613	2,295	2.84	2,671	2,340	7,643	6,680
1944...	8,930	458	345	.487	2,642	2,326	3.04	2,700	2,369	8,249	7,234
1945...	7,685	202	152	.546	1,030	844	3.21	1,053	862	3,414	2,795
1946...	8,296	310	232	.659	1,355	1,119	3.29	1,395	1,148	4,669	3,835
1947...	8,901	305	232	.853	2,066	1,812	5.19	2,103	1,842	10,974	9,598
1948...	8,487	223	175	.829	1,502	1,332	4.78	1,530	1,353	7,376	6,518
1949...	8,390	205	164	.817	1,599	1,433	4.47	1,625	1,453	7,309	6,534
1950...	8,090	246	202	.772	2,006	1,821	4.12	2,035	1,847	8,469	7,664
1951...	7,301	177	144	.806	1,742	1,586	4.22	1,764	1,605	7,504	6,813
1952...	6,802	147	115	.861	1,603	1,473	4.40	1,621	1,487	7,184	6,579
1953...	6,335	95	76	.921	1,208	1,104	4.72	1,218	1,112	5,789	5,278
1954...	6,391	Discontinued			1,672	1,540	4.63	1,672	1,540	7,741	7,129
1955...	6,138	Discontinued			1,578	1,461	4.68	1,578	1,461	7,383	6,836
1956...	5,666	Discontinued			1,529	1,428	4.79	1,529	1,428	7,328	6,841
1957...	5,346	Discontinued			1,697	1,590	4.44	1,697	1,590	7,545	7,063
1958...	4,612	Discontinued			1,392	1,294	4.51	1,392	1,294	6,276	5,831
1959...	4,517	Discontinued			1,135	1,058	4.80	1,135	1,058	5,447	5,076

Table 2.--Maple Products: Trees tapped, production, disposition, price, and value, 1916-59

MAINE

Year	Sugar				Sirup			Sugar and sirup			
	Trees	Produ-	Sold	Price	Produ-	Sold	Price	Equivalent	Sold	Produ-	Value of --
	tapped	tion	: pound	per	tion	: gallon	per	Produc-	: Sold	tion	Sales
	1,000	1,000	1,000	Dollars	1,000	1,000	Dollars	1,000	1,000	1,000	1,000
	trees	pounds	pounds		gallons	gallons		gallons	gallons	dollars	dollars
1916...	197	14	12	0.28	52	46	1.25	54	48	69	61
1917...	195	44	38	.30	47	42	1.50	53	47	83	74
1918...	220	46	40	.36	48	43	2.05	54	48	115	102
1919...	234	25	22	.35	41	36	2.45	44	39	109	96
1920...	245	30	26	.39	55	49	2.95	59	52	174	155
1921...	220	16	14	.38	43	38	2.65	45	40	120	106
1922...	230	30	26	.34	55	49	2.15	59	52	128	114
1923...	210	24	21	.34	42	37	2.40	45	40	109	96
1924...	250	18	16	.30	64	57	2.40	66	59	159	142
1925...	255	20	17	.38	45	40	2.55	47	42	123	108
1926...	250	26	23	.35	53	47	2.45	56	50	139	123
1927...	255	17	15	.43	51	45	2.40	53	47	129	114
1928...	250	4	3	.38	32	28	2.35	32	28	77	67
1929...	237	24	20	.38	40	38	2.40	43	40	105	99
1930...	225	30	29	.35	37	35	2.45	41	39	101	96
1931...	221	12	11	.32	22	19	2.30	24	20	55	48
1932...	214	9	7	.32	27	23	2.10	28	24	60	50
1933...	201	7	6	.27	23	19	1.60	24	20	39	32
1934...	191	10	8	.30	25	21	1.95	26	22	52	43
1935...	183	18	14	.33	32	27	2.00	34	29	70	59
1936...	165	12	11	.33	17	15	2.05	19	16	39	35
1937...	170	12	10	.33	23	20	1.95	25	21	49	42
1938...	168	11	9	.32	28	26	2.00	29	27	60	55
1939...	162	6	5	.35	25	24	2.05	26	25	53	51
1940...	157	12	10	.35	28	26	2.05	30	27	61	57
1941...	148	3	2	.34	20	18	2.10	20	18	43	39
1942...	148	11	9	.45	31	28	2.75	32	29	90	81
1943...	154	14	12	.52	31	28	3.15	33	30	105	94
1944...	143	6	5	.55	26	23	3.20	27	24	86	77
1945...	127	4	3	.56	13	12	3.30	13	12	45	42
1946...	128	8	7	.70	15	13	3.45	16	14	58	50
1947...	143	5	4	.93	26	23	5.50	27	24	148	130
1948...	134	3	2	1.00	18	16	5.95	18	16	110	97
1949...	139	9	7	.93	18	16	5.40	19	17	105	93
1950...	135	11	9	.93	29	25	5.20	30	26	161	138
1951...	120	8	7	.93	17	14	5.30	18	15	97	81
1952...	112	6	5	.99	23	21	5.50	24	22	132	121
1953...	100	4	3	.99	12	11	5.70	12	11	72	66
1954...	95	Discontinued			18	16	5.60	18	16	101	90
1955...	74				11	10	5.60	11	10	62	56
1956...	62				11	10	5.85	11	10	64	58
1957...	53				12	11	5.60	12	11	67	62
1958...	46				9	8	5.60	9	8	50	45
1959...	44				8	7	5.90	8	7	47	41

Table 3.--Maple Products: Trees tapped, production, disposition, price, and value, 1916-59

NEW HAMPSHIRE

Year	Sugar				Sirup			Sugar and Sirup			
	Trees	Produced	Sold	Price	Produced	Sold	Price	Equivalent sirup	Value of	--	
	tapped	tion	tion	per	tion	tion	per	Produc-	Sold	tion	Sales
	1,000	1,000	1,000	Dollars	1,000	1,000	Dollars	1,000	1,000	1,000	1,000
	trees	pounds	pounds		gallons	gallons		gallons	gallons	dollars	dollars
1916....	710	448	403	0.17	169	155	1.15	225	205	270	247
1917....	655	528	475	.19	139	128	1.40	205	187	295	269
1918....	680	492	443	.26	131	121	1.90	193	176	377	345
1919....	649	330	297	.30	113	104	2.15	154	141	342	313
1920....	700	288	259	.44	144	132	3.05	180	164	566	517
1921....	585	368	331	.32	109	100	2.45	155	141	385	351
1922....	560	185	167	.25	145	133	2.00	168	154	336	308
1923....	500	246	221	.33	103	95	2.35	134	123	323	296
1924....	500	188	169	.30	144	132	2.25	168	153	380	348
1925....	480	144	130	.30	102	94	2.20	120	110	267	246
1926....	450	138	124	.30	114	105	2.40	131	120	315	289
1927....	440	241	217	.30	78	72	2.20	108	99	244	223
1928....	420	144	127	.30	72	66	2.40	90	82	216	196
1929....	378	109	101	.34	88	84	2.30	102	97	239	227
1930....	382	154	149	.32	93	87	2.35	112	106	268	252
1931....	390	78	73	.30	56	50	2.10	66	59	141	127
1932....	413	100	81	.30	83	76	2.00	95	86	196	176
1933....	388	46	37	.27	50	46	1.60	56	51	92	84
1934....	380	59	48	.29	71	65	1.80	78	71	145	131
1935....	391	91	74	.32	101	92	1.85	112	101	216	194
1936....	368	45	36	.31	45	41	1.80	51	46	95	85
1937....	364	58	48	.32	61	54	2.00	68	60	141	123
1938....	368	56	47	.32	85	79	2.00	92	85	188	173
1939....	258	18	17	.35	58	53	2.25	60	55	136	125
1940....	271	19	17	.34	62	57	2.20	64	59	142	131
1941....	257	16	14	.32	51	47	2.20	53	49	117	107
1942....	275	43	34	.41	72	64	2.70	77	68	212	187
1943....	264	23	18	.50	73	65	3.15	76	67	242	214
1944....	256	26	20	.53	64	58	3.25	67	60	222	199
1945....	233	13	10	.56	29	25	3.30	31	26	103	88
1946....	249	17	14	.70	43	36	3.40	45	38	158	132
1947....	276	15	12	.92	62	54	5.50	64	56	355	308
1948....	270	13	9	.97	49	42	5.85	51	43	300	255
1949....	284	16	13	.88	53	45	5.30	55	47	295	249
1950....	273	19	14	.87	59	51	5.00	61	53	312	267
1951....	246	14	12	.85	52	46	5.10	54	48	277	245
1952....	229	9	7	.93	49	43	5.40	50	44	273	239
1953....	231	2	2	.92	43	38	5.40	43	38	234	207
1954....	222	Discontinued			58	51	5.40	58	51	313	275
1955....	204				47	42	5.40	47	42	254	227
1956....	171				46	41	5.70	46	41	262	234
1957....	161				55	50	5.40	55	50	297	270
1958....	143				44	40	5.40	44	40	238	216
1959....	143				37	34	5.65	37	34	209	192

Table 4.--Maple Products: Trees tapped, production, disposition, price and value, 1916-59

VERMONT

Year	Trees tapped	Sugar			Sirup			Sugar and sirup			
		Produc- tion	Sold	Price per pound	Produc- tion	Sold	Price per gallon	Equivalent sirup		Value of --	
								Produc- tion	Sold	Produc- tion	Sales
	1,000 trees	1,000 pounds	1,000 pounds	Dollars	1,000 gallons	1,000 gallons	Dollars	1,000 gallons	1,000 gallons	1,000 dollars	1,000 dollars
1916...	5,600	5,638	4,905	0.13	764	703	0.95	1,469	1,316	1,459	1,306
1917...	5,400	5,886	5,121	.16	578	532	1.15	1,314	1,172	1,607	1,431
1918...	5,800	6,584	5,728	.22	702	646	1.70	1,525	1,362	2,641	2,358
1919...	5,956	6,252	5,439	.28	632	581	1.95	1,414	1,261	2,983	2,656
1920...	5,956	4,068	3,539	.34	904	832	2.65	1,412	1,274	3,779	3,408
1921...	5,100	2,937	2,555	.22	745	685	1.60	1,112	1,004	1,838	1,658
1922...	5,559	3,152	2,742	.21	1,065	980	1.55	1,459	1,323	2,313	2,095
1923...	5,281	2,307	2,007	.26	913	840	1.90	1,201	1,091	2,335	2,118
1924...	5,445	2,445	2,127	.27	1,222	1,124	1.75	1,528	1,390	2,798	2,541
1925...	5,554	1,794	1,561	.26	956	880	1.95	1,180	1,075	2,330	2,122
1926...	5,554	1,602	1,394	.28	980	902	2.00	1,180	1,076	2,409	2,194
1927...	5,665	1,694	1,474	.27	1,417	1,304	1.95	1,629	1,488	3,220	2,941
1928...	5,722	1,133	1,020	.26	1,038	976	1.85	1,180	1,104	2,215	2,071
1929...	5,535	690	573	.28	1,090	1,014	1.95	1,176	1,086	2,319	2,137
1930...	5,646	907	816	.28	1,404	1,334	2.00	1,517	1,436	3,062	2,896
1931...	5,194	542	499	.23	614	516	1.60	682	578	1,107	941
1932...	5,454	526	426	.24	1,025	953	1.50	1,091	1,006	1,664	1,532
1933...	5,290	330	267	.20	653	607	1.05	694	640	752	690
1934...	5,449	462	374	.24	998	928	1.25	1,056	975	1,359	1,250
1935...	5,503	441	357	.26	1,527	1,420	1.35	1,582	1,465	2,176	2,010
1936...	5,062	305	253	.26	911	856	1.30	949	888	1,263	1,179
1937...	5,062	345	297	.28	906	843	1.50	949	880	1,456	1,347
1938...	5,163	355	309	.28	1,440	1,354	1.55	1,484	1,393	2,331	2,186
1939...	4,081	94	74	.29	830	772	1.60	842	781	1,355	1,256
1940...	4,081	126	99	.29	1,030	958	1.55	1,046	970	1,633	1,514
1941...	4,081	126	99	.28	775	722	1.60	791	734	1,275	1,183
1942...	4,163	224	176	.37	1,377	1,259	2.20	1,405	1,281	3,112	2,835
1943...	3,955	230	180	.44	1,133	1,037	2.70	1,162	1,060	3,160	2,879
1944...	3,678	204	160	.46	1,009	915	2.90	1,035	935	3,020	2,728
1945...	3,310	96	73	.53	381	325	3.10	393	334	1,232	1,047
1946...	3,509	167	136	.68	659	568	3.20	680	585	2,223	1,910
1947...	3,720	170	136	.86	839	754	5.30	860	771	4,593	4,113
1948...	3,571	111	93	.85	678	616	4.60	692	628	3,213	2,913
1949...	3,500	69	55	.83	582	532	4.30	591	539	2,560	2,334
1950...	3,430	96	79	.77	867	798	3.85	879	808	3,412	3,133
1951...	3,053	57	46	.80	718	661	3.85	725	667	2,810	2,582
1952...	2,809	53	41	.82	643	604	4.10	650	609	2,679	2,510
1953...	2,669	33	26	.91	463	431	4.65	467	434	2,183	2,028
1954...	2,722				681	640	4.60	681	640	3,133	2,944
1955...	2,531			Discontinued	609	572	4.75	609	572	2,893	2,717
1956...	2,278				554	521	4.90	554	521	2,715	2,553
1957...	2,050				712	676	4.20	712	676	2,990	2,839
1958...	1,578				463	435	4.10	463	435	1,898	1,784
1959...	1,531				340	320	4.75	340	320	1,615	1,520

Table 5.--Maple Products: Trees tapped, production, disposition, price, and value, 1916-59

MASSACHUSETTS

Year	Sugar			Sirup			Value of sugar and sirup				
	Trees	Produced	Sold	Price	Produced	Sold	Price	Equivalent sirup	Value of --		
	tapped	tion	tion	per	tion	tion	per	Produced	Produced	Sales	
	1,000	1,000	1,000	Dollars	1,000	1,000	Dollars	1,000	1,000	1,000	1,000
	trees	pounds	pounds		gallons	gallons		gallons	gallons	dollars	dollars
1916....	275	116	103	0.25	58	53	1.30	72	66	104	95
1917....	256	183	163	.30	51	47	1.50	74	67	131	119
1918....	274	183	163	.36	51	47	2.10	74	67	173	158
1919....	253	73	65	.39	58	53	2.40	67	61	167	152
1920....	309	158	141	.50	54	50	2.90	74	68	236	215
1921....	269	113	101	.41	50	46	2.55	64	59	174	158
1922....	272	134	119	.39	82	75	2.20	99	90	232	211
1923....	261	87	77	.40	49	45	2.45	60	55	155	141
1924....	272	125	111	.37	63	58	2.10	79	72	178	163
1925....	272	126	112	.49	56	52	2.35	72	66	194	177
1926....	272	128	114	.40	86	79	2.40	102	93	257	236
1927....	277	132	117	.43	75	69	2.30	91	84	229	209
1928....	280	134	111	.44	67	57	2.35	84	71	216	183
1929....	268	37	35	.40	44	41	2.35	49	45	118	110
1930....	268	94	86	.40	82	77	2.45	94	88	239	223
1931....	252	50	45	.38	41	39	2.10	47	45	105	99
1932....	257	79	69	.34	64	60	1.95	74	69	152	140
1933....	236	66	57	.31	36	33	1.65	44	40	79	72
1934....	236	105	91	.32	65	60	1.75	78	71	148	134
1935....	236	108	94	.33	75	70	1.80	89	82	171	157
1936....	215	24	22	.36	32	29	1.90	35	32	70	63
1937....	217	58	55	.39	66	62	1.95	73	69	152	142
1938....	221	18	14	.40	53	49	1.90	55	51	108	99
1939....	211	25	22	.38	61	56	2.10	64	59	138	126
1940....	209	25	23	.39	57	53	2.00	60	56	124	115
1941....	203	23	21	.39	58	55	1.95	61	58	122	115
1942....	203	28	25	.48	65	62	2.60	69	65	182	173
1943....	201	27	24	.60	67	61	3.05	70	64	220	200
1944....	187	28	26	.58	62	57	3.30	66	60	221	203
1945....	168	18	16	.64	24	22	3.40	26	24	94	85
1946....	168	16	14	.70	41	37	3.50	43	39	155	140
1947....	185	12	11	.90	47	43	5.45	49	44	267	244
1948....	178	13	11	.99	34	31	5.60	36	32	203	185
1949....	178	12	10	.88	43	39	5.10	45	40	230	208
1950....	171	18	15	.82	53	49	4.85	55	51	272	250
1951....	162	15	13	.93	52	49	4.90	54	51	269	252
1952....	141	10	8	1.02	32	30	5.10	33	31	173	161
1953....	135	4	3	.98	30	28	5.00	30	28	154	143
1954....	132	Discontinued			47	44	4.90	47	44	230	216
1955....	127				54	50	4.80	54	50	259	240
1956....	104				46	43	5.10	46	43	235	219
1957....	106				45	43	4.80	45	43	216	206
1958....	93				40	38	4.80	40	38	192	182
1959....	97				34	32	5.05	34	32	172	162

Table 6.--Maple Products: Trees tapped, production, disposition, price and value, 1916-59

NEW YORK

Year	Trees tapped	Sugar			Sirup			Sugar and sirup			
		Produc- tion	Sold	Price per pound	Produc- tion	Sold	Price per gallon	Equivalent sirup	Value of --	Value of --	Sales
	trees	pounds	pounds	Dollars	gallons	gallons	Dollars	gallons	gallons	dollars	dollars
1916..	4,510	1,760	1,302	0.14	880	748	0.90	1,100	911	1,038	855
1917..	4,500	1,642	1,215	.16	1,076	915	1.10	1,281	1,067	1,447	1,200
1918..	4,865	2,768	2,048	.21	1,304	1,108	1.50	1,650	1,364	2,537	2,092
1919..	4,827	2,013	1,490	.25	1,081	919	1.70	1,333	1,105	2,341	1,934
1920..	4,885	1,696	1,255	.34	963	819	2.50	1,175	976	2,985	2,475
1921..	4,193	881	652	.26	624	530	1.85	734	612	1,383	1,150
1922..	4,487	1,185	877	.23	1,085	922	1.60	1,233	1,032	2,009	1,677
1923..	4,000	1,376	1,018	.24	903	768	1.70	1,075	895	1,865	1,550
1924..	4,080	861	637	.26	1,069	909	1.80	1,177	989	2,148	1,802
1925..	3,998	624	462	.27	896	762	1.80	974	820	1,781	1,497
1926..	3,958	1,168	864	.29	1,128	959	2.00	1,274	1,067	2,595	2,169
1927..	3,839	733	542	.29	1,002	852	2.00	1,094	920	2,217	1,861
1928..	3,647	549	384	.28	718	574	1.82	787	622	1,461	1,153
1929..	3,613	298	238	.30	613	533	1.88	650	563	1,241	1,073
1930..	3,682	613	454	.30	1,120	1,019	1.83	1,197	1,076	2,234	2,001
1931..	3,229	324	230	.26	577	479	1.51	617	508	955	783
1932..	3,132	341	259	.25	695	591	1.40	738	623	1,058	892
1933..	3,184	388	295	.21	597	507	1.20	645	544	797	670
1934..	3,216	284	216	.24	668	568	1.30	704	595	936	790
1935..	3,345	465	353	.25	987	839	1.35	1,045	883	1,448	1,221
1936..	3,178	232	172	.26	740	644	1.40	769	666	1,096	947
1937..	3,083	194	155	.27	669	602	1.50	693	621	1,056	945
1938..	3,083	183	139	.26	632	575	1.55	655	592	1,028	927
1939..	3,147	131	93	.27	800	728	1.60	816	740	1,315	1,190
1940..	2,990	129	110	.27	787	708	1.60	803	722	1,294	1,163
1941..	3,080	99	74	.29	604	538	1.75	616	547	1,086	963
1942..	3,111	177	136	.36	933	821	2.25	955	838	2,163	1,896
1943..	2,893	124	84	.44	839	688	2.90	855	698	2,488	2,032
1944..	2,719	131	81	.49	835	693	3.00	851	703	2,569	2,119
1945..	2,175	36	25	.50	261	185	3.15	265	188	840	595
1946..	2,545	76	43	.56	356	270	3.35	366	275	1,236	928
1947..	2,621	52	28	.85	576	490	5.10	582	494	2,982	2,523
1948..	2,359	38	23	.75	363	310	4.80	368	313	1,770	1,505
1949..	2,241	38	27	.75	424	369	4.20	429	372	1,809	1,570
1950..	2,107	49	39	.74	505	454	4.00	511	459	2,056	1,845
1951..	1,960	49	36	.78	465	423	4.10	471	428	1,944	1,762
1952..	1,803	37	27	.85	414	377	4.15	419	380	1,749	1,588
1953..	1,677	27	23	.91	280	255	4.45	283	258	1,271	1,156
1954..	1,711	Discontinued			425	387	4.35	425	387	1,849	1,683
1955..	1,694	Discontinued			497	462	4.40	497	462	2,187	2,033
1956..	1,643	Discontinued			431	405	4.45	431	405	1,918	1,802
1957..	1,610	Discontinued			498	468	4.20	498	468	2,092	1,966
1958..	1,401	Discontinued			392	365	4.25	392	365	1,666	1,551
1959..	1,429	Discontinued			337	317	4.50	337	317	1,516	1,426

Table 7.--Maple Products: Trees tapped, production, disposition, price and value, 1916-59

PENNSYLVANIA

Year	Sugar				Sirup			Sugar and sirup			
	Trees	Produc-	Price	Produc-	Price	Price	Equivalent	Value of --	Sales		
	tapped	tion	Sold	tion	Sold	per	Produc-	Sold			Produc-
: 1,000	: 1,000	: 1,000	: 1,000	: 1,000	: 1,000	: 1,000	: 1,000	: 1,000	: 1,000	: 1,000	
	trees	pounds	pounds	Dollars	gallons	gallons	Dollars	gallons	gallons	dollars	dollars
1916..	815	458	325	0.16	174	153	1.15	231	194	273	228
1917..	845	752	534	.18	281	247	1.30	375	314	500	417
1918..	950	772	548	.23	341	300	1.75	437	368	775	651
1919..	1,020	536	381	.26	274	241	1.90	341	289	660	557
1920..	1,125	440	312	.35	270	238	2.60	325	277	856	728
1921..	860	202	143	.28	106	93	2.25	131	111	295	249
1922..	945	280	199	.26	285	251	2.05	320	276	657	567
1923..	1,025	248	176	.26	319	281	1.95	350	303	686	594
1924..	980	236	168	.27	333	293	2.00	363	314	730	631
1925..	935	276	196	.29	253	223	2.10	287	248	611	525
1926..	980	302	214	.30	341	300	2.10	379	327	807	694
1927..	930	220	156	.28	200	176	2.09	228	196	480	412
1928..	940	103	57	.30	234	211	2.21	247	218	548	483
1929..	913	105	68	.28	133	117	2.14	146	126	314	269
1930..	905	212	138	.30	350	315	2.10	376	332	799	703
1931..	742	167	130	.27	245	216	1.80	266	232	486	424
1932..	682	147	134	.18	184	158	1.45	202	175	293	253
1933..	682	113	103	.16	232	200	1.20	246	213	296	256
1934..	675	88	80	.20	230	198	1.25	241	208	306	264
1935..	688	69	63	.23	200	172	1.45	209	180	306	263
1936..	550	58	50	.25	132	108	1.55	139	114	219	179
1937..	556	70	59	.26	189	164	1.65	198	171	330	286
1938..	545	52	38	.26	131	117	1.65	137	122	230	203
1939..	564	56	41	.26	173	154	1.70	180	159	309	273
1940..	474	45	37	.27	147	132	1.70	153	137	262	234
1941..	450	36	30	.29	112	101	1.80	116	105	212	191
1942..	441	40	32	.35	128	119	2.25	133	123	302	279
1943..	375	27	23	.43	95	87	2.85	98	90	283	258
1944..	364	28	24	.48	133	122	3.20	137	125	439	402
1945..	291	18	12	.50	54	46	3.35	56	48	190	160
1946..	320	12	9	.68	50	43	3.45	52	44	180	154
1947..	413	20	16	.74	111	101	4.95	113	103	564	512
1948..	425	20	17	.64	76	68	4.45	78	70	351	314
1949..	442	22	19	.63	103	94	4.15	106	96	441	402
1950..	433	26	23	.59	109	99	4.10	112	102	462	420
1951..	407	9	8	.71	96	88	4.40	97	89	428	393
1952..	399	15	13	.74	100	93	4.45	102	95	456	424
1953..	311	6	5	.78	74	69	4.45	75	70	334	311
1954..	348	Discontinued			124	113	4.30	124	113	533	486
1955..	355	Discontinued			99	89	4.35	99	89	431	387
1956..	344	Discontinued			118	110	4.45	118	110	525	490
1957..	334	Discontinued			83	76	4.65	83	76	386	353
1958..	317	Discontinued			106	98	4.55	106	98	482	446
1959..	330	Discontinued			102	94	4.45	102	94	454	418

Table 8.--Maple Products: Trees tapped, production, disposition, price, and value, 1916-59

OHIO

Year	Trees tapped	Sugar			Sirup			Sugar and sirup			
		Produc- tion	Sold	Price per pound	Produc- tion	Sold	Price per gallon	Equivalent Produc- tion	Sold	Produc- tion	Value of -- Sales
	1,000 trees	1,000 pounds	1,000 pounds	Dollars	1,000 gallons	1,000 gallons	Dollars	1,000 gallons	1,000 gallons	1,000 dollars	1,000 dollars
1916..	2,310	108	84	0.19	479	431	1.05	493	442	524	469
1917..	2,470	252	197	.22	1,031	928	1.20	1,063	953	1,292	1,157
1918..	2,715	176	137	.28	1,103	993	1.65	1,125	1,010	1,869	1,676
1919..	2,269	62	48	.29	694	625	2.00	702	631	1,406	1,264
1920..	2,075	32	25	.39	446	401	2.65	450	404	1,194	1,073
1921..	1,715	44	34	.29	257	231	2.15	263	235	566	507
1922..	1,930	56	44	.31	363	327	1.95	370	332	725	652
1923..	1,710	96	75	.28	603	543	1.90	615	552	1,173	1,053
1924..	1,570	30	23	.34	405	365	2.00	409	368	820	738
1925..	1,550	100	78	.33	295	265	2.00	307	275	623	556
1926..	1,500	42	33	.30	496	446	2.25	501	450	1,129	1,014
1927..	1,450	32	25	.25	411	370	2.15	415	373	892	802
1928..	1,375	30	24	.30	410	373	2.30	414	376	952	865
1929..	1,208	39	33	.43	205	182	2.23	210	186	474	420
1930..	1,214	55	43	.42	368	339	2.16	375	344	818	750
1931..	1,214	88	63	.34	426	379	1.75	437	387	776	684
1932..	1,093	16	12	.28	218	194	1.40	220	196	309	275
1933..	1,137	32	24	.26	385	343	1.10	389	346	432	383
1934..	1,126	5	4	.34	253	225	1.35	254	226	344	305
1935..	1,104	11	8	.37	276	246	1.45	277	247	404	360
1936..	1,082	10	5	.39	303	270	1.55	304	271	474	420
1937..	1,017	8	5	.40	346	318	1.75	347	319	609	558
1938..	976	7	4	.40	237	213	1.70	238	214	406	364
1939..	947	5	2	.39	300	276	1.75	301	276	527	484
1940..	909	6	3	.41	264	240	1.75	265	240	464	421
1941..	854	4	2	.40	254	234	1.80	254	234	459	422
1942..	854	5	3	.44	177	159	2.35	178	159	418	375
1943..	786	2	1	.54	193	172	3.00	193	172	580	517
1944..	747	3	1	.64	280	258	3.25	280	258	912	839
1945..	620	2	1	.80	150	134	3.35	150	134	504	450
1946..	595	1	---	.80	89	76	3.40	89	76	304	258
1947..	607	2	1	1.00	171	154	5.10	171	154	874	786
1948..	589	2	1	.95	122	111	4.80	122	111	588	534
1949..	579	10	9	.95	159	149	4.85	160	150	781	732
1950..	556	8	7	1.00	149	138	4.60	150	139	693	642
1951..	506	2	2	1.10	130	119	4.95	130	119	646	591
1952..	466	1	1	1.15	145	133	5.15	145	133	748	686
1953..	419	1	1	1.35	126	117	5.10	126	117	644	598
1954..	402	Discontinued			123	117	5.10	123	117	627	597
1955..	382	Discontinued			113	106	4.95	113	106	559	525
1956..	363	Discontinued			153	147	4.95	153	147	757	728
1957..	338	Discontinued			91	87	5.30	91	87	482	461
1958..	338	Discontinued			129	123	5.40	129	123	697	664
1959..	324	Discontinued			127	121	5.30	127	121	673	641

Table 9.--Maple Products: Trees tapped, production, disposition, price, and value, 1916-59

MICHIGAN

Year	Value of sugar and sirup										
	Sugar			Sirup			Value of --				
	Trees tapped	Produc- tion	Sold	Price per pound	Produc- tion	Sold	Price per gallon	Produc- tion	Sold	Produc- tion	Sales
1,000 trees	1,000 pounds	1,000 pounds	Dollars	1,000 gallons	1,000 gallons	Dollars	1,000 gallons	1,000 gallons	1,000 dollars	1,000 dollars	
1916...	718	88	79	0.19	149	134	1.25	160	144	203	183
1917...	718	141	127	.21	198	178	1.50	216	194	327	294
1918...	965	146	131	.28	293	264	2.05	311	280	642	578
1919...	859	77	69	.32	207	186	2.20	217	195	480	431
1920...	807	72	65	.42	158	142	2.90	167	150	488	439
1921...	726	66	59	.32	119	107	2.60	127	114	330	297
1922...	726	70	63	.34	150	135	2.40	159	143	384	345
1923...	711	148	133	.37	213	192	2.45	231	209	577	519
1924...	640	81	73	.31	138	124	2.40	148	133	356	321
1925...	614	73	66	.40	121	109	2.55	130	117	338	304
1926...	602	96	86	.35	187	168	2.65	199	179	530	475
1927...	542	63	57	.35	97	87	2.57	105	94	271	244
1928...	531	59	53	.35	112	102	2.56	119	109	308	280
1929...	493	34	31	.35	79	71	2.60	83	75	217	196
1930...	518	25	22	.34	152	138	2.50	155	141	388	352
1931...	518	40	36	.31	163	148	2.15	168	152	362	329
1932...	471	29	26	.25	100	88	1.75	104	91	182	160
1933...	513	30	27	.20	148	130	1.40	152	133	213	187
1934...	487	13	12	.28	80	70	1.70	82	72	140	122
1935...	502	19	17	.29	117	103	1.85	119	105	222	196
1936...	497	19	16	.29	116	102	1.95	118	104	232	204
1937...	502	20	16	.30	123	111	2.10	125	113	264	238
1938...	472	13	12	.29	81	71	2.05	83	72	170	149
1939...	474	14	11	.30	128	118	2.05	130	119	266	245
1940...	474	16	12	.35	91	81	2.15	93	82	202	178
1941...	474	12	9	.35	92	84	2.15	94	85	202	184
1942...	480	19	15	.40	96	85	2.60	98	87	258	227
1943...	499	6	4	.45	119	107	3.20	120	108	384	344
1944...	474	6	4	.54	149	133	3.40	150	134	510	454
1945...	446	3	2	.55	74	63	3.45	74	63	257	218
1946...	482	2	1	.55	56	45	3.45	56	45	194	156
1947...	554	16	14	.70	130	113	5.00	132	115	661	575
1948...	560	3	2	.74	74	64	5.40	74	64	402	347
1949...	526	9	7	.75	103	92	5.00	104	93	522	465
1950...	479	3	2	.91	103	93	4.85	103	93	503	453
1951...	445	9	8	.81	107	96	5.10	108	97	553	496
1952...	423	3	3	.83	98	87	5.15	98	87	507	450
1953...	368	1	1	.81	62	55	5.40	62	55	336	298
1954...	353	Discontinued			94	85	5.30	94	85	498	450
1955...	332				78	72	5.30	78	72	413	382
1956...	299				79	73	5.40	79	73	427	394
1957...	281				81	75	5.40	81	75	437	405
1958...	295				99	93	5.40	99	93	535	502
1959...	271				66	61	5.50	66	61	363	336

Table 10.--Maple Products: Trees tapped, production, disposition, price, and value, 1916-59

WISCONSIN

Year	Trees tapped	Sugar			Sirup			Value of sugar and sirup			
		Produc- tion	Sold	Price per pound	Produc- tion	Sold	Price per gallon	Equivalent sirup		Value of --	
								1,000 gallons	1,000 gallons	1,000 dollars	1,000 dollars
1916...	495	38	26	0.22	139	106	1.35	144	109	196	149
1917...	450	48	33	.23	144	109	1.50	150	113	227	172
1918...	510	32	22	.28	141	107	1.85	145	110	270	204
1919...	497	22	15	.37	139	106	2.05	142	108	293	223
1920...	490	21	14	.40	113	86	2.60	116	88	302	230
1921...	418	13	9	.39	84	64	2.55	86	65	219	167
1922...	415	21	14	.36	113	86	2.20	116	88	257	194
1923...	400	20	14	.39	85	65	2.20	87	67	195	148
1924...	380	17	12	.36	101	77	2.55	103	78	264	200
1925...	340	15	10	.39	65	49	2.40	67	50	162	122
1926...	310	8	6	.33	84	64	2.50	85	65	213	162
1927...	285	12	8	.38	76	58	2.50	78	59	195	148
1928...	258	8	6	.38	74	56	2.35	75	57	177	134
1929...	243	8	5	.43	54	38	2.45	55	39	135	95
1930...	258	12	8	.42	72	54	2.40	74	55	178	133
1931...	273	11	7	.36	76	59	2.20	77	60	171	133
1932...	290	8	6	.32	57	47	1.90	58	48	111	91
1933...	320	14	11	.26	69	57	1.55	71	58	111	91
1934...	284	3	2	.28	35	29	1.75	35	29	62	52
1935...	335	4	3	.32	95	78	1.80	95	78	172	141
1936...	331	3	2	.33	79	59	1.65	79	59	131	98
1937...	318	4	3	.33	83	70	1.70	83	70	142	120
1938...	335	2	1	.38	55	34	1.85	55	34	103	63
1939...	424	4	3	.35	116	93	1.75	116	93	204	164
1940...	361	3	2	.35	112	84	1.75	112	84	197	148
1941...	261	1	1	.38	34	23	1.90	34	23	65	44
1942...	333	2	1	.44	90	70	2.25	90	70	203	158
1943...	283	2	1	.63	48	36	2.90	48	36	140	105
1944...	306	4	3	.65	58	43	3.20	58	43	189	140
1945...	260	2	1	.65	29	19	3.30	29	19	97	64
1946...	242	6	4	.65	31	18	3.35	32	18	108	63
1947...	298	9	7	.95	86	64	5.00	87	65	439	327
1948...	292	14	12	.90	63	51	5.00	65	52	328	266
1949...	371	18	16	.85	85	70	4.95	87	72	436	360
1950...	378	15	13	.80	103	87	4.50	105	89	476	402
1951...	284	12	10	.70	79	66	4.55	81	67	367	307
1952...	298	11	9	.90	68	56	4.80	69	57	336	277
1953...	310	14	10	1.05	87	71	4.70	89	72	424	344
1954...	335	Discontinued			75	62	4.60	75	62	345	285
1955...	365	Discontinued			55	45	4.70	55	45	258	212
1956...	336	Discontinued			71	60	4.80	71	60	341	288
1957...	346	Discontinued			99	85	4.85	99	85	480	412
1958...	343	Discontinued			92	78	4.75	92	78	437	370
1959...	295	Discontinued			66	56	4.80	66	56	317	269

Table 11.--Maple Products: Trees tapped, production, disposition, price, and value, 1916-59

MINNESOTA

Year	Trees tapped	Sugar			Sirup			Sugar and sirup			
		Produc- tion	Sold	Price per pound	Produc- tion	Sold	Price per gallon	Equivalent Produc- tion	Sold	Produc- tion	Value of -- Sales
	1,000 trees	1,000 pounds	1,000 pounds	Dollars	1,000 gallons	1,000 gallons	Dollars	1,000 gallons	1,000 gallons	1,000 dollars	1,000 dollars
1916..											
1917..											
1918..											
1919..											
1920..											
1921..											
1922..											
1923..											
1924..											
1925..											
1926..											
1927..											
1928..											
1929..											
1930..											
1931..											
1932..											
1933..											
1934..											
1935..											
1936..											
1937..											
1938..											
1939..											
1940..											
1941..											
1942..											
1943..											
1944..	25	0	---	---	5	4	3.35	5	4	17	13
1945..	25	0	---	---	5	4	3.45	5	4	17	14
1946..	25	0	---	---	5	4	3.50	5	4	18	14
1947..	50	0	---	---	8	7	5.00	8	7	40	35
1948..	75	0	---	---	11	10	5.15	11	10	57	52
1949..	100	0	---	---	15	14	5.00	15	14	75	70
1950..	100	0	---	---	15	14	4.75	15	14	71	66
1951..	90	0	---	---	14	13	4.90	14	13	69	64
1952..	94	0	---	---	17	16	4.30	17	16	73	69
1953..	89	0	---	---	17	16	4.65	17	16	79	74
1954..	44		Discontinued		7	6	5.50	7	6	38	33
1955..	47				4	3	6.30	4	3	25	19
1956..	42				8	7	4.70	8	7	38	33
1957..	42				10	9	5.20	10	9	52	47
1958..	31				5	4	5.60	5	4	28	22
1959..	23				4	3	5.90	4	3	24	18

ESTIMATES STARTED IN 1944

Table 12.--Maple Products: Trees tapped, production, disposition, price, and value, 1916-59

MARYLAND

Year	Trees tapped	Sugar			Sirup			Sugar and sirup			
		Produc- tion	Sold	Price per pound	Produc- tion	Sold	Price per gallon	Equivalent sirup Produc- tion	Sold	Value of Produc- tion	-- Sales
	1,000 trees	1,000 pounds	1,000 pounds	Dollars	1,000 gallons	1,000 gallons	Dollars	1,000 gallons	1,000 gallons	1,000 dollars	1,000 dollars
1916..	64	101	75	0.16	13	12	1.35	26	21	34	28
1917..	62	157	116	.19	21	19	1.55	41	34	63	51
1918..	74	184	136	.24	27	24	2.05	50	41	99	82
1919..	75	151	112	.26	23	21	2.00	42	35	85	71
1920..	80	123	91	.39	24	22	2.85	39	33	116	98
1921..	74	59	44	.27	12	11	2.05	19	16	41	35
1922..	74	114	84	.24	27	24	1.75	41	34	74	62
1923..	80	104	77	.26	32	29	2.05	45	39	93	79
1924..	76	95	70	.31	35	31	2.35	47	40	111	95
1925..	72	66	49	.27	28	25	2.05	36	31	75	64
1926..	72	75	55	.30	35	31	2.15	44	38	97	83
1927..	68	39	29	.28	22	20	2.10	27	24	57	50
1928..	66	25	16	.30	25	23	2.25	28	25	64	57
1929..	63	18	14	.30	16	14	2.35	18	16	43	37
1930..	60	32	24	.30	34	31	2.20	38	34	85	75
1931..	59	30	22	.20	27	24	1.60	31	27	49	42
1932..	58	22	18	.15	18	16	1.20	21	18	25	22
1933..	58	25	20	.11	25	22	1.00	28	24	28	24
1934..	55	15	12	.13	19	17	1.10	21	18	23	21
1935..	54	15	12	.15	22	19	1.20	24	20	28	25
1936..	52	13	12	.16	26	25	1.00	28	26	28	27
1937..	50	10	9	.20	31	29	1.15	32	30	38	35
1938..	49	8	8	.22	28	27	1.35	29	28	40	38
1939..	45	13	12	.21	24	23	1.30	26	24	34	33
1940..	44	13	12	.22	23	21	1.35	25	22	34	31
1941..	42	4	3	.21	13	12	1.35	13	12	19	17
1942..	38	11	10	.25	18	17	1.85	19	18	36	33
1943..	34	8	6	.35	15	14	2.50	16	15	41	37
1944..	31	22	21	.40	21	20	2.60	24	23	64	60
1945..	30	10	9	.52	10	9	3.00	11	10	35	32
1946..	33	5	4	.53	10	9	3.15	11	10	35	30
1947..	34	4	3	.72	10	9	4.75	10	9	51	45
1948..	34	6	5	.58	14	13	3.65	15	14	54	50
1949..	30	2	1	.64	14	13	3.85	14	13	55	51
1950..	28	1	1	.73	14	13	3.60	14	13	51	48
1951..	28	2	2	.60	12	11	3.55	12	11	44	40
1952..	28	2	1	.70	14	13	4.05	14	13	58	54
1953..	26	3	2	.58	14	13	4.00	14	13	58	53
1954..	27	Discontinued			20	19	3.70	20	19	74	70
1955..	27	Discontinued			11	10	3.85	11	10	42	38
1956..	24	Discontinued			12	11	3.80	12	11	46	42
1957..	25	Discontinued			11	10	4.15	11	10	46	42
1958..	27	Discontinued			13	12	4.10	13	12	53	49
1959..	30	Discontinued			14	13	4.10	14	13	57	53



Growth Through Agricultural Progress