

Section 21
Manufactures

This section presents statistics on the manufacturing segment of the economy. Sources for data on this subject include the United States Census of Manufactures, most recently taken in Hawaii as of 1958; Facts About Sugar and other publications of the Hawaiian Sugar Planters' Association; Pineapple Hawaii, Basic Facts, issued by the Pineapple Companies of Hawaii; and various reports of the Hawaii Department of Economic Development, Hawaii Department of Labor and Industrial Relations, and Hawaii Department of Taxation. Statistics for mainland States and the nation as a whole appear in Section 30 of the Statistical Abstract of the United States: 1961.

Table 1.-- GENERAL STATISTICS FOR MANUFACTURING: 1899 TO 1958

(Data are only approximately comparable from year to year; see source for discussion.)

Year	Establish-ments	All employees		Production workers			Value added by manufacture (\$1,000)
		Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	
1958..	609	23,015	78,806	17,823	31,930	51,802	164,861
1954..	520	24,381	77,130	19,524	36,114	50,806	140,275
1939..	474	19,518	15,319	17,002	(NA)	11,458	58,354
1919..	496	11,744	8,666	9,969	(NA)	6,637	51,917
1909..	500	7,572	2,795	5,904	(NA)	2,109	21,586
1899..	222	4,418	2,038	3,655	(NA)	1,473	11,103

NA Not available.

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Table 2.-- DETAILED STATISTICS FOR MANUFACTURING: 1958

Item	Number	Item	Amount (\$1,000)
No. of establishments.....	609	Cost of selected items:	
With 1-19 employees.....	430	Fuels consumed.....	2,689
With 20-99 employees.....	134	Electricity purchased.....	2,499
With 100 employees or more..	45	Contract work.....	3,846
Proprietors and working partners.....	413	Value added by manufacture..	160,380
		Adjusted.....	164,861
All employees:		Manufacturers' inventories:	
Number (ann. ave.).....	23,015	Beginning of year.....	64,450
Payroll (\$1,000).....	78,806	Finished products.....	22,668
Production workers:		Work-in-process.....	2,204
Number (ann. ave.).....	17,823	Materials, supplies, fuel	39,578
March.....	12,512	End of year.....	69,294
May.....	13,738	Finished products.....	22,506
August.....	28,634	Work-in-process.....	3,884
November.....	16,408	Materials, supplies, fuel.	42,904
Man-hours (1,000).....	31,930	Expend. for plant and equip..	17,673
Jan.-Mar. (1,000).....	5,479	New plant and equipment.	17,181
Apr.-June (1,000).....	6,095	Plant.....	4,001
July-Sept. (1,000).....	12,750	Equipment.....	13,180
Oct.-Dec. (1,000).....	7,605	Used plant and equipment	492
Wages (\$1,000).....	51,802		

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Table 3.-- GENERAL STATISTICS ON MANUFACTURING, BY INDUSTRY GROUP:
1958

Industry group	Estab- lish- ments	Value added by manufacture (\$1,000)	Employees	Payroll (\$1,000)
Total.....	609	164,861	23,015	78,806
Food and kindred products.....	252	115,057	16,042	52,560
Meat products.....	18	3,234	328	1,053
Canned and frozen foods.....	44	42,386	8,479	21,074
Bakery products.....	30	6,261	826	2,960
Sugar ¹	26	45,994	4,316	19,274
Confectionery and related products..	14	844	109	297
Beverages.....	31	6,205	727	2,756
Men's and boys' furnishings.....	15	1,455	439	917
Women's and misses' outerwear.....	30	4,715	1,117	3,076
Misc. fabricated textile products...	16	615	118	344
Lumber and wood products.....	32	2,285	434	1,615
Mattresses and bedsprings.....	8	1,007	140	522
Furniture and fixtures, nec.....	11	609	102	304
Printing and publishing.....	61	12,510	1,639	7,300
Newspapers.....	16	9,015	1,112	5,054
Commercial printing.....	34	3,312	478	2,104
Leather and leather products.....	15	542	115	282
Stone, clay and glass products.....	21	3,332	295	1,401
Cement and plaster products.....	10	3,094	248	1,270
Machinery, except electrical.....	22	1,596	219	889
Machine shops.....	14	672	110	453
Transportation equipment.....	10	734	110	344
Misc. manufacturing industries.....	26	854	162	559

¹Low level of activity reflects effects of prolonged strike during the first half of the year.

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Table 4.-- MANUFACTURING STATISTICS, BY GEOGRAPHIC AREA: 1958

Geographic area	Number of establishments	Number of employees	Payroll (\$1,000)	Value added by manufacture (\$1,000)
The State.....	609	23,015	78,806	164,861
Counties:				
Hawaii.....	78	2,375	9,435	21,869
Honolulu.....	472	15,109	52,275	107,049
Kauai.....	22	2,137	6,502	15,298
Maui.....	37	3,394	10,594	20,645
Cities:				
Hilo.....	51	931	3,274	6,829
Honolulu.....	448	14,802	51,033	105,663

Source of tables 1 to 4: U.S. Bureau of the Census, U.S. Census of Manufacturers: 1958, Hawaii, Area Report MC58 (3)-51.

Table 5.-- PINEAPPLE PRODUCTION: 1903 TO 1961

Year ¹	Thousands of cases ²			Year ¹	Thousands of cases ²			
	Total	Fruit	Juice		Total	Fruit	Single strength juice	Concentrated juice
1903...	2	2	--	1956...	30,836	18,613	12,224	--
1910...	465	465	--	1957...	30,787	17,992	12,795	--
1920...	5,987	5,987	--	1958...	27,270	16,798	10,472	--
1930...	12,672	12,672	--	1959...	31,301	17,677	12,454	1,170
1940...	21,479	12,924	8,556	1960...	28,977	17,287	10,850	841
1950...	25,184	14,073	11,111	1961...	30,759	18,462	11,574	724

¹Calendar years, 1903-1930; pack years ending May 31, 1940-1961.

²Actual cases except for concentrated pineapple juice, shown in equivalent 24/2 cases, single strength basis.

Source: The Pineapple Companies of Hawaii, Pineapple Hawaii, Basic Facts (July 1961), p. 4, and records.

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Table 6.-- SUGAR PRODUCTION: 1837 TO 1961

Year	Tons ¹	Year	Tons ¹	Year	Tons ¹
1837.....	2	1890.....	129,899	1950.....	960,961
1840.....	180	1900.....	289,544	1957.....	1,084,646
1850.....	375	1910 ²	517,090	1958.....	764,953
1860.....	572	1920 ²	555,727	1959.....	974,632
1870.....	9,392	1930 ²	912,357	1960.....	935,744
1880.....	31,792	1940.....	976,677	1961.....	1,092,481

¹Short tons, converted to 96° raw value.

²Crop years.

Table 7.-- STATISTICS ON CANE SUGAR ACREAGE AND PRODUCTION: 1960

Subject	Number	Subject	Number
Cane land (acres).....	224,617	Sugar produced (tons):	
Harvested (acres).....	103,584	96° raw value.....	935,744
Cane used for sugar (tons).	8,613,317	Per acre.....	9.03
Per acre.....	83.15	Equivalent refined.....	874,546
Per ton sugar.....	9.20		

Source of tables 6 and 7: U.S. Bureau of Labor Statistics, Labor in the Territory of Hawaii, 1939 (1940), p. 12, and Hawaiian Sugar Planters' Association, Facts About Sugar (May 1961), p. 3, and records.