

SECTION 18

AGRICULTURE

This section presents statistics on agricultural land, farms, and specific crops, livestock, dairy products, and poultry.

There were 4,600 farms in Hawaii as of 1969, with a total area of 2,350,000 acres. Both figures have declined appreciably during the past decade. The value of crop sales in 1969 was \$159 million, about 37 percent more than in 1960. Livestock sales amounted to \$40 million, or 19 percent more than the 1960 level. Combined crop and livestock sales ranged from \$28 million in Kauai County to \$59 million on the Big Island.

Major crops in 1969 were sugar (\$105 million in sales), pineapple (\$36 million), and vegetables and melons (\$6 million). Important products of livestock farms as of 1969 included cattle (\$12.9 million in sales), milk (\$12.8 million), and eggs (\$7.8 million). Coffee and rice production have declined sharply since the early years of the century, but macadamia nuts have increased rapidly.

Important sources for data on agriculture include the *United States Census of Agriculture* for 1964 and earlier years, the annual report on *Statistics of Hawaiian Agriculture* issued by the Hawaii Crop and Livestock Reporting Service, and publications of the Hawaii Agricultural Experiment Station, Hawaiian Sugar Planters' Association, and Pineapple Growers Association of Hawaii. National statistics appear in Section 23 of the *Statistical Abstract of the United States: 1970*.

Table 123:—FARMS, FARM ACREAGE, CROPS HARVESTED, AND LIVESTOCK: 1900 TO 1964

Subject	1900	1920	1930	1940	1950	1959	1964
Number of farms	2,273	5,284	5,955	4,995	5,750	6,242	4,864
Under 10 acres	1,209	2,734	3,407	2,870	3,558	3,569	2,603
10 to 259 acres	886	2,333	2,373	1,954	2,008	2,420	2,010
260 or more acres	178	217	175	171	184	253	251
Farm acreage (1,000's)	2,610	2,702	2,815	2,486	2,432	2,461	2,354
Farms over 260 acres	2,568	(NA)	2,727	2,411	2,350	2,364	2,266
Irrigated	(NA)	(NA)	(NA)	133	117	141	144
Cropland and harvested ...	(NA)	(NA)	(NA)	185	159	176	167
Quantity harvested:							
Coffee (tons)	(NA)	9,942	9,975	4,273	2,324	5,003	4,840
Macadamia nuts							
(1,000 lbs)	(NA)	(NA)	5	181	704	2,015	7,015
Pineapples (1,000 tons)	(NA)	150	355	614	655	1,010	924
Rice (10,000 lb.)	3,344	2,957	758	190	66	29	(NA)
Sugarcane (1,000 tons)	2,239	4,863	7,471	8,535	7,889	9,391	10,741
Animals on farms (1,000's):							
Cattle and calves	103	137	138	139	156	205	218
Hogs and pigs	8	24	31	32	65	78	68
Sheep and lambs	102	43	32	26	14	12	12
Chickens over 4 mo.	32	65	271	273	472	806	1,045
Farm operators	2,273	5,284	5,955	4,995	5,750	6,242	4,864
Hired workers (150 days or more)	(NA)	(NA)	(NA)	(NA)	21,597	14,403	12,527

NA Not available.

Source: U.S. Bureau of the Census, *U.S. Census of Agriculture: 1959*, Final Report, Vol. I, Part 50, *Hawaii*, and *U.S. Census of Agriculture: 1964*, Vol. 1, Part 50, *Hawaii*.

**Table 124.—NUMBER OF FARMS, FARM ACREAGE, AND VALUE OF CROP AND LIVESTOCK SALES
1960 TO 1969**

Area and year	Number of farms	Area in farms ¹ (1,000 acres)	Value of sales (\$1,000)		
			Crops and livestock	Crops	Livestock
The State:					
1960	6,600	2,600	149,859	116,338	33,521
1961	6,200	2,550	160,330	125,980	34,350
1962	5,700	2,500	170,355	136,101	34,254
1963	5,200	2,450	192,759	158,450	34,309
1964	5,100	2,450	176,354	140,752	35,602
1965	5,000	2,400	186,542	150,849	35,693
1966	4,900	2,400	197,263	160,008	37,255
1967	4,800	2,360	200,457	162,606	37,851
1968	4,700	2,350	205,424	167,118	38,306
1969	4,600	2,350	199,274	159,313	39,961
Hawaii County:					
1960	3,600	1,521	39,219	31,224	7,995
1969	2,750	1,375	59,342	48,885	10,457
Kauai County:					
1960	600	315	21,169	18,734	2,435
1969	350	284	28,163	25,193	2,970
Maui County:					
1960	1,050	595	41,016	37,350	3,666
1969	650	538	53,912	49,141	4,771
Oahu:					
1960	1,350	169	48,455	29,030	19,425
1969	850	156	57,857	36,094	21,763

¹Includes land not in crop and pasture, such as farm houselots, roads, woodlots, etc.

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture 1969* (U.S. Department of Agriculture, in cooperation with Hawaii State Department of Agriculture, July 1970).

Table 125.—ACREAGE IN CROP AND PASTURE, NUMBER OF FARMS, VOLUME OF CROP MARKETINGS, AND VALUE OF CROP SALES, BY CROP: 1960 TO 1969

Subject	The State		Counties, 1969			
	1960	1969	Hawaii	Kauai	Maui	Honolulu
Acreage (1,000 acres):						
Sugarcane	224.6	241.4	106.9	52.0	44.9	37.6
Pineapple	75.0	64.0	—	2.5	43.5	18.5
Vegetables and melons	3.4	2.9	1.0	0.1	0.7	1.1
Fruits (excl. pineapple)	2.6	3.5	2.2	0.3	0.4	0.6
Coffee	5.5	4.3	4.3	—	—	—
Macadamia nuts	3.8	8.7	8.6	—	0.1	—
Pasture	1,250	1,286	796	127	324	39
Number of crop farms:						
Sugar	988	753	738	7	3	5
Pineapple	135	59	—	27	30	2
Vegetables and melons	773	501	108	59	103	231
Fruits (excl. pineapple)	651	501	178	85	83	155
Coffee	1,128	770	770	—	—	—
Macadamia nuts	215	247	238	6	2	1
Taro	233	115	25	37	45	8
Volume of crop marketings:¹						
Sugar (unprocessed cane)	8,613	10,839	4,623	2,321	2,186	1,709
Pineapple (fresh equivalent)	884	864	—	(NA)	(NA)	(NA)
Vegetables and melons	48,475	48,700	17,515	1,985	14,600	14,625
Fruits (excl. pineapple)	24,190	38,027	20,295	1,745	1,540	4,545
Coffee (parchment)	13,272	5,500	5,500	—	—	—
Macadamia nuts (in shell)	2,569	10,470	10,373	56	—	41
Taro	9,675	8,605	2,035	4,690	1,665	215
Value of crop sales (\$1,000):						
Sugar (unprocessed cane)	67,200	104,900	38,900	22,800	23,900	19,300
Pineapple (fresh equivalent)	36,100	36,000	—	1,400	22,400	12,200
Vegetables and melons	4,611	6,165	2,162	347	1,368	2,288
Fruits (excl. pineapple)	1,400	3,414	2,412	199	336	467
Coffee (parchment)	3,202	1,524	1,524	—	—	—
Macadamia nuts (in shell)	472	2,282	2,261	—	—	—
Others ²	3,353	5,028	1,626	426	21	1,839

NA Not available.

¹Sugar and pineapple in 1,000 tons, other crops in 1,000 pounds.

²Chiefly flowers, foliage and nursery products (\$3,305,000 in 1969).

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture 1969* (U.S. Department of Agriculture, in cooperation with the Hawaii State Department of Agriculture, July 1970).

**Table 126.—NUMBER OF LIVESTOCK FARMS, VOLUME OF LIVESTOCK MARKETINGS,
AND VALUE OF LIVESTOCK SALES, BY PRODUCT: 1960 TO 1969**

Subject	The State		Counties, 1969			
	1960	1969	Hawaii	Kauai	Maui	Oahu
Number of livestock farms:						
Cattle	1,820	1,480	610	220	390	260
Hogs	1,760	900	300	70	220	310
Milk	260	140	45	15	40	40
Eggs	900	370	150	30	100	90
Broilers	39	36	4	4	3	25
Honey	48	25		7	5	13
Volume of livestock marketings:						
Beef (1,000 lb. dressed weight)	25,001	31,364	18,372	2,941	7,151	2,900
Pork (1,000 lb. dressed weight)	8,831	9,227	1,211	410	988	6,618
Milk (million pounds)	120	131	8.6	4.6	7.4	110.5
Eggs (million eggs)	138	199	32.5	9.3	12.2	145.2
Broilers and chickens						
(1,000 lb. live weight)	6,592	7,390	563	367	298	6,162
Honey, beeswax (1,000 lb.)	285	382		217.0	128.2	37.0
Value of livestock sales (\$1,000):						
Cattle	9,837	12,854	7,506	1,196	3,052	1,100
Hogs	3,684	4,404	557	222	503	3,122
Milk	10,635	12,752	769	470	1,098	10,415
Eggs	6,911	7,794	1,385		964	5,445
Broilers and chickens	2,347	2,042	170	118	98	1,656
Others	107	115		70	20	25

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture, 1969* (U.S. Department of Agriculture, in cooperation with Hawaii State Department of Agriculture, July 1970).

Table 127.—FLOWERS, FOLIAGE, AND NURSERY PRODUCTS: 1969

County	Number of farms	Growing area (acres)	Wholesale value (\$1,000)	Commodity	Wholesale value (\$1,000)
The State	422	718.9	3,305.0	Cut flowers and foliage	2,404.0
				Anthuriums	680.0
Hawaii	250	354.9	1,152.0	Orchids	513.5
Kauai	12	11.8	37.0	Carnations	391.0
Maui	53	89.8	493.0	Other cut flowers, foliage	819.5
Honolulu	107	262.4	1,623.0	Potted plants	520.0
				Other products	381.0

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture 1969* (U.S. Department of Agriculture, in cooperation with Hawaii State Department of Agriculture, July 1970).