

## SECTION 18

# Agriculture

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

There were 4,700 farms in Hawaii as of 1968, with a total area of 2,350,000 acres. Both figures have declined appreciably during the past decade. The value of crop sales in 1968 was \$168 million, about 44 percent more than in 1960. Livestock sales amounted to \$38 million, or 14 percent more than the 1960 level. Combined crop and livestock sales ranged from \$29 million in Kauai County to \$62 million on the Big Island.

Major crops in 1968 were sugar (\$112 million in sales), pineapple (\$38 million), and vegetables and melons (\$6 million). Important products of livestock farms as of 1968 included cattle (\$12.9 million in sales), milk (\$12.6 million), and eggs (\$6.6 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: 1969*.

Table 108. -- 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 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.)....	3,444	2,957	758	190	66	29	(NA)
Sugar cane (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 109. -- NUMBER OF FARMS, FARM ACREAGE, AND VALUE OF CROP AND LIVESTOCK SALES: 1960 TO 1968

Area and year	Number of farms	Area in farms <sup>1</sup> (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	186,541	150,848	35,693
1966 .....	4,900	2,400	197,270	160,015	37,255
1967 .....	4,800	2,360	200,450	162,599	37,851
1968 .....	4,700	2,350	206,188	167,852	38,336
Hawaii County:					
1960 .....	3,600	1,521	39,219	31,224	7,995
1968 .....	2,550	1,375	61,960	51,448	10,512
Kauai County:					
1960 .....	600	315	21,169	18,734	2,435
1968 .....	400	284	29,294	26,481	2,813
Maui County:					
1960 .....	1,050	595	41,016	37,350	3,666
1968 .....	750	538	56,980	52,654	4,326
Oahu:					
1960 .....	1,350	169	48,455	29,030	19,425
1968 .....	1,000	153	57,954	37,269	20,685

1. Includes land not in crop and pasture. Also includes land in houselots, roads, etc.

Source: Hawaii Crop and Livestock Reporting Service, Statistics of Hawaiian Agriculture, 1968 (U. S. Department of Agriculture, in cooperation with Hawaii State Department of Agriculture, July 1969).

Table 110. -- ACREAGE IN CROP AND PASTURE, NUMBER OF FARMS, VOLUME OF CROP MARKETINGS, AND VALUE OF CROP SALES, BY CROP: 1960 TO 1968

Subject	The State		Counties, 1968			
	1960	1968	Hawaii	Kauai	Mau	Honolulu
<b>Acreege (1,000 acres):</b>						
Sugarcane .....	224.6	238.9	106.1	51.6	44.2	37.0
Pineapple .....	75	65	--	2.3	44.2	18.5
Vegetables and melons	3.4	3.2	1.0	0.1	0.9	1.2
Fruits (excl. pineapple)	2.6	3.4	2.1	0.3	0.4	0.6
Coffee .....	5.5	4.7	4.7	--	--	--
Macadamia nuts .....	3.8	8.5	8.4	0.1		--
Pasture .....	1,250	1,286	796	127	324	39
<b>Number of crop farms:</b>						
Sugar .....	988	768	752	8	3	5
Pineapple .....	135	63	--	29	32	2
Vegetables and melons	773	562	125	50	118	269
Fruits (excl. pineapple)	651	507	215	67	62	163
Coffee .....	1,128	860	860	--	--	--
Macadamia nuts .....	215	247	236	7	3	1
Taro .....	233	141	30	43	59	9
<b>Volume of crop marketings:<sup>1</sup></b>						
Sugar (unprocessed cane).....	8,613	11,280	4,660	2,377	2,348	1,892
Pineapple (fresh equivalent) .....	884	919	(NA)	(NA)	(NA)	(NA)
Vegetables and melons	48,475	49,655	18,085	2,017	15,845	13,810
Fruits (excl. pineapple) .....	24,190	39,107	24,800	2,165	1,559	4,330
Coffee (parchment) ..	13,272	6,180	6,180	--	--	--
Macadamia nuts (in shell) .....	2,569	10,151	10,051	100	--	--
Taro .....	9,675	9,140	2,105	4,875	1,845	315
<b>Value of crop sales (\$1,000):</b>						
Sugar (unprocessed cane).....	67,200	112,400	41,600	24,000	26,300	20,500
Pineapple (fresh equivalent).....	36,100	37,800	--	1,500	23,500	12,800
Vegetables and melons	4,611	6,342	2,113	343	1,567	2,319
Fruits (excl. pineapple) .....	1,400	3,213	2,336	188	330	359
Coffee (parchment) ..	3,202	1,545	1,545	--	--	--
Macadamia nuts (in shell) .....	472	2,316	2,294	22		--
Others <sup>2</sup> .....	3,353	4,236	1,560	428	957	1,291

NA Not available.

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

2. Chiefly flowers, foliage and nursery products (\$2,600,000 in 1968) and taro (\$676,000).

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture, 1968* (U. S. Department of Agriculture, in cooperation with Hawaii State Department of Agriculture, July 1969).

Table 111. -- NUMBER OF LIVESTOCK FARMS, VOLUME OF LIVESTOCK MARKETINGS,  
AND VALUE OF LIVESTOCK SALES, BY PRODUCT: 1960 TO 1968

Subject	The State		Counties, 1968			
	1960	1968	Hawaii	Kauai	Maui	Oahu
Number of livestock farms:						
Cattle .....	1,820	1,500	620	220	390	270
Hogs .....	1,760	1,000	360	90	260	290
Milk .....	260	160	53	19	45	43
Eggs .....	900	420	170	30	110	110
Broilers .....	39	34	4	2	4	24
Honey .....	48	27	6		5	16
Volume of livestock marketings:						
Beef (1,000 lb. dressed weight)....	25,001	33,621	20,405	2,958	6,965	3,293
Pork (1,000 lb. dressed weight)....	8,831	9,229	1,194	436	818	6,781
Milk (million lbs.) ..	120	132	9.2	4.8	7.0	111.1
Eggs (million eggs) ..	138	203	30.2	11.6	12.0	149.7
Broilers and chickens (1,000 lb. live weight)	6,592	7,282	595	392	248	6,047
Honey, beeswax (1,000 lb.).....	285	362	238.2		105.6	18.5
Value of livestock sales (\$1,000):						
Cattle .....	9,837	12,860	7,825	1,123	2,804	1,108
Hogs .....	3,684	4,171	508	228	427	3,008
Milk .....	10,635	12,619	784	458	1,001	10,376
Eggs .....	6,911	6,631	1,127	891		4,613
Broilers and chickens	2,347	1,934	183	113	79	1,559
Others .....	107	121	85		15	21

Source: Hawaii Crop and Livestock Reporting Service, Statistics of Hawaiian Agriculture, 1968 (U. S. Department of Agriculture, in cooperation with Hawaii State Department of Agriculture, July 1969).