

# HAWAII



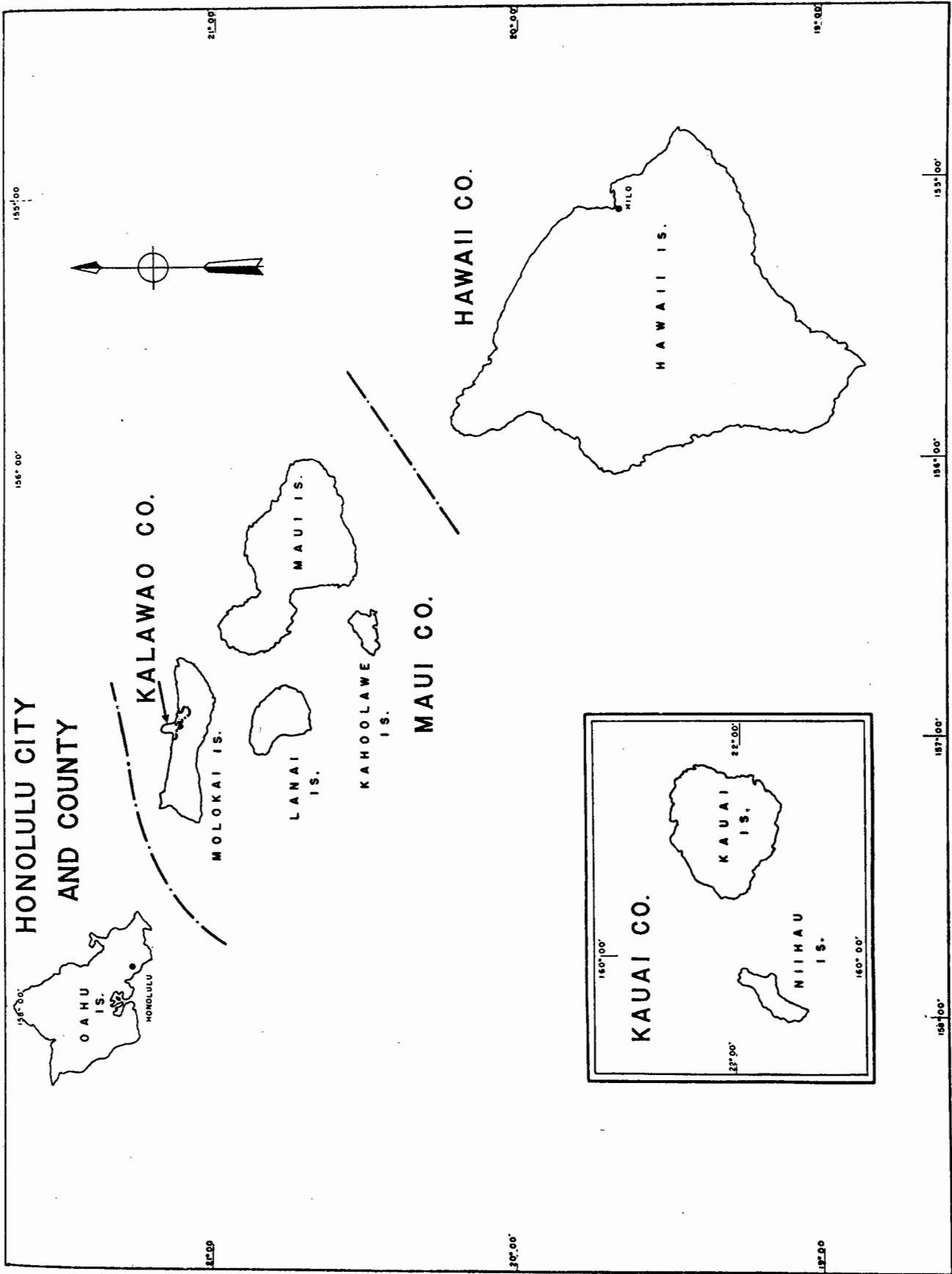
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**Introduction.**—A request was made to the Agricultural Extension Service, University of Hawaii, for the agricultural statistics for Hawaii which were required for incorporation in the Reports for the 1954 Census of Agriculture. The nature of the data desired was indicated in a set of tables furnished by the Census Bureau.

In the reply to the Bureau's request, it was stated that the available data did not fit well into the outline that had been furnished. The following statement was contained in the correspondence: "In many cases our estimate base is radically different from yours. For example, our crop values are calculated at the wholesale level—yours at the farm level. Our poultry and hog population estimates do not include those kept principally for the owner's household use."

A copy of the annual report entitled "1954 Statistics of Hawaiian Agriculture" was submitted. This and a similar report for 1955 have supplied the most recent factual material given in this section. The 1954 report sets forth the source of the statistics and several of their limitations, as follows:

"The statistics of production and value in this publication relate principally to 'diversified' agriculture, *diversified* being used in the sense of nonplantation crops. Statistical material on the two plantation crops, sugar and pineapples, was furnished by the Hawaiian Sugar Planters' Association and the Pineapple Companies of Hawaii.

"Data on diversified agriculture are for 'commercial' production, which excludes very small farm enterprises, some of the minor crops, and products consumed on farms. A few crops for which production or acreage data are unreliable, e. g., Chinese squash, Chinese peas, yam bean root, peanuts, mangoes, lychee, passion fruit, guavas, plums, grapes, persimmons, and pineapples for the fresh fruit market are not included. *Commercial* production of livestock products is defined as the portion originating from beef cattle herds of 20 or more head, dairy and swine herds of 10 or more, and poultry flocks of 100 or more layers or meat birds.

"Basic livestock data are collected in August or December by mailed questionnaires and enumeration by county agents. Monthly estimates of dairy, poultry, and hog production are obtained from stratified samples of enterprises, supplemented by slaughter records. Production of fruits and vegetables is estimated from recorded wholesale marketings, adjusted for direct sales to retail stores or to consumers, and for field losses of mature crops resulting from market gluts. Coffee, rice, and taro production is estimated from milling records. Acreage of diversified crops is obtained by monthly enumeration."

**Censuses of agriculture.**—The first Census of Agriculture in Hawaii, by the United States, was taken in 1900 in conjunction with the Decennial Census of Population. Since 1900, a Census of Agriculture has been taken in conjunction with the Census of Population in each decennial enumeration.

Because of the restricted comparability of the available data for Census years with the statistics for recent years, only a few items are included in the historical tables. In order to understand the limitations in the comparability of the data for the two series, the definition of a farm, as used in 1950 only, is given herein. If there is need for contrasting the exact comparability of data for 1950 and earlier years, reference should be made to the 1950 Report for this Territory.

For the 1950 Census of Agriculture, places of 3 or more acres were counted as farms if the value of agricultural products in 1949, exclusive of home gardens, amounted to \$150 or more. The agricultural products could have been either for home use or for sale. Places of less than 3 acres were counted as farms only if the value

of sales of agricultural products in 1949 amounted to \$150 or more. Places operated in 1949 for which the value of agricultural products in 1949 was less than these minima because of crop failure or other unusual situation and places operated in 1950 for the first time were counted as farms if normally they could be expected to produce these minimum quantities of farm products.

All the land under the control of one person or partnership was included as one farm. Control may have been through ownership, or through lease or rental arrangement.

The Census enumerator was not given the definition of a farm. He was instructed to obtain an agriculture questionnaire for every place that the operator considered a farm, for every place of 3 or more acres whether or not it was considered a farm, and for places of less than 3 acres from which agricultural products (vegetables, flowers, orchids, eggs, poultry, hogs, etc.) valued at \$100 or more were sold in 1949. Thus, agriculture questionnaires were filled for more places than those that qualified as farms. The determination as to which reports were to be included in the tabulations as representing farms was made during the processing of the questionnaires in Washington. This procedure was followed in order that uniform criteria could be applied.

**Land utilization.**—Table 1 is presented to show the natural resources available for agricultural production and how these resources were utilized in 1954 and 1950.

TABLE 1.—AGRICULTURAL LAND UTILIZATION: 1954 AND 1950

Use	1954	Census of 1950
	(Acres)	(Acres)
Total land area.....	4,099,840	4,099,840
Cultivated area, total.....	307,200	1 296,752
Sugarcane for sugar.....	220,138	2 210,047
Pineapples.....	73,200	3 51,018
Diversified crops.....	4 13,900	(NA)
Coffee.....	4,320	3,403
Macadamia nuts.....	2,721	1,161
Rice.....	205	170
Taro.....	608	591
Fruits and vegetables.....	6,043	5 12,962
Grazing lands.....	1,384,000	6 1,361,446
Forest reserve.....	1,045,000	(NA)
Balance.....	1,363,640	(NA)

NA—Not available.

1 Total of cropland harvested, cropland for future harvest, and crop failure.

2 Acres in the crop, Dec. 31, 1949.

3 Acres in the crop, Apr. 1, 1950.

4 Acreage data of diversified crops for Molokai not included.

5 Land in orchards, groves, coffee plantations, planted nut trees, vegetables for sale, Irish potatoes, and sweetpotatoes.

6 Land in farms, pastured in 1949.

**Livestock and poultry.**—Comparative figures for livestock and poultry, for 1954 and for Census enumerations, are given in Table 2 for a limited number of items. The 1954 data are for the dates shown in Table 3. Table 4 presents a few of the data for Islands for 1954 only.

**Crops.**—Tables 5, 6, and 7 present the data for crops. Where possible, the acreage, production, and the wholesale value of marketings are given. Whenever historical data are shown, footnotes have been used to point out any seeming lack of comparability. Historical comparisons and the distribution of data by Islands are limited to those crops with approximately 200 acres or more.

Honey and beeswax are included with crops to conform with the statistics in the 1954 Report. Likewise, the order of arrangement and the classification of the crops are consistent with those in the 1954 Report.

## SPECIAL REPORTS

TABLE 2.—SPECIFIED LIVESTOCK AND LIVESTOCK PRODUCTS: 1900 TO 1954

Item	1954 <sup>1</sup>	Census of 1950 (Apr. 1)	Census of 1940 (Apr. 1)	Census of 1930 (Apr. 1)	Census of 1920 (Jan. 1)	Census of 1910 (Apr. 15)	Census of 1900 (June 1)
Horses and mules on hand.....number..	(NA)	7,564	10,044	12,030	15,947	15,856	12,982
Cattle and calves on hand.....number..	152,300	155,739	139,078	138,316	137,091	145,029	102,908
Milk sold.....gallons..	10,126,250	7,483,142	4,442,013	3,004,240	1,166,531	740,184	84,451
Hogs and pigs on hand.....number..	68,580	65,435	31,684	30,563	24,248	20,484	8,057
Sheep and lambs on hand.....number..	13,550	13,513	26,207	32,137	43,494	76,710	102,098
Wool shorn.....pounds..	69,000	80,255	129,904	169,004	200,520	349,711	424,228
Chickens on hand <sup>3</sup> .....number..	843,000	472,183	272,590	270,523	65,458	64,136	31,888
Chickens sold.....number..	972,000	610,346	166,545	(NA)	15,250	<sup>4</sup> 67,516	(NA)
Eggs sold.....dozen..	5,994,600	3,134,347	(NA)	<sup>5</sup> 1,009,866	91,135	<sup>5</sup> 240,408	(NA)

NA—Not available.

<sup>1</sup> For date, see Table 3.<sup>2</sup> Includes beef cattle and mature dairy cows.<sup>3</sup> For 1954, chickens of all ages; for 1950 and 1940, 4 months old and over; for 1930 and 1920, age not specified; for 1910, over 3 months old; for 1900 over 3 months old, including guineas.<sup>4</sup> Poultry of all kinds.<sup>5</sup> Eggs of all kinds.

TABLE 3.—LIVESTOCK AND LIVESTOCK PRODUCTS: 1954

Item	Date or period	Unit	Number
<b>Cattle:</b>			
On hand—Beef cattle on ranches <sup>1</sup>	Dec. 31	Head	152,300
Mature dairy cows <sup>2</sup>	Aug. 31	Head	11,120
Slaughtered—Beef	12 months	Head	34,350
Dairy <sup>3</sup>	12 months	Head	2,630
Value, total	12 months	Dollars	7,255,000
Beef	12 months	Dollars	6,965,000
Dairy <sup>3</sup>	12 months	Dollars	290,000
Milk sold, total	12 months	Quarts	40,505,000
Value	12 months	Dollars	7,500,000
<b>Swine (hogs and pigs):</b>			
On hand, total	Aug. 31	Head	68,580
Above weaning age	Aug. 31	Head	53,790
Boars	Aug. 31	Head	890
Sows and gilts	Aug. 31	Head	7,950
Market hogs	Aug. 31	Head	44,950
Suckling pigs	Aug. 31	Head	14,790
Slaughtered	12 months	Head	76,400
Value	12 months	Dollars	3,980,000
<b>Sheep:</b>			
On hand	Dec. 31	Head	13,550
Slaughtered	12 months	Head	1,775
Value	12 months	Dollars	26,000
Wool produced	12 months	Pounds	69,000
Value	12 months	Dollars	36,000
<b>Poultry:</b>			
Chickens on hand, total	Aug. 31	Birds	843,000
Layers	Aug. 31	Birds	416,000
Pullets, 6 weeks to laying	Aug. 31	Birds	179,000
Other chickens over 6 weeks	Aug. 31	Birds	109,000
Chickens under 6 weeks	Aug. 31	Birds	139,000
Meat birds produced <sup>4</sup>	12 months	Birds	972,000
Sold	12 months	Birds	924,000
Value	12 months	Dollars	1,809,000
Eggs produced	12 months	Cases	199,820
Sold	12 months	Cases	194,600
Value	12 months	Dollars	4,121,000

<sup>1</sup> Herds of 20 or more head.<sup>2</sup> Herds of 10 or more head of mature cows.<sup>3</sup> Marketings, including calves.<sup>4</sup> Flocks of 100 or more layers or meat birds.TABLE 4.—LIVESTOCK<sup>1</sup> AND LIVESTOCK PRODUCTS, BY ISLANDS: 1954

Item	Unit	The Territory	Island				
			Hawaii	Maui	Molokai, Lanai	Oahu	Kauai, Niihau
<b>Cattle:</b>							
On hand—Beef cattle on ranches <sup>2</sup>	Head	152,300	104,900	24,900	3,450	8,000	11,050
Mature dairy cows <sup>3</sup>	Head	11,120	(NA)	(NA)	(NA)	(NA)	(NA)
Milk sold, total	Quarts	40,505,000	2,883,000	2,345,000	44,000	34,060,000	1,873,000
<b>Swine (hogs and pigs) on hand</b>	Head	68,580	5,460	4,080	990	54,770	3,300
<b>Sheep on hand</b>	Head	13,550	(NA)	(NA)	(NA)	(NA)	(NA)
<b>Wool produced</b>	Pounds	69,000	67,000	(NA)	(NA)	(NA)	12,000
<b>Poultry:</b>							
Chickens on hand, total	Birds	843,000	152,200	42,300	1,700	590,800	56,100
Meat birds produced <sup>4</sup>	Birds	972,000	182,000	47,000	5,000	671,000	67,000
Eggs produced	Cases	199,820	41,800	15,760	530	129,630	12,100

NA—Not available.

<sup>1</sup> For dates, see Table 3.<sup>2</sup> Herds of 20 or more head.<sup>3</sup> Herds of 10 or more head of mature cows.<sup>4</sup> Detail does not add to total.<sup>5</sup> Flocks of 100 or more layers or meat birds.

TABLE 5.—ACRES AND PRODUCTION OF SPECIFIED CROPS: 1900 TO 1954

Item	Unit	1954	Census of 1950 (Apr. 1)	Census of 1940 (Apr. 1)	Census of 1930 (Apr. 1)	Census of 1920 (Jan. 1)	Census of 1910 (Apr. 15)	Census of 1900 (June 1)
Sugar	Acres	220,138	210,047	239,451	(NA)	(NA)	(NA)	(NA)
	Tons	(NA)	7,888,526	8,635,023	7,471,452	4,862,707	4,240,238	2,239,376
Pineapples	Acres	73,200	51,018	48,598	(NA)	(NA)	(NA)	(NA)
	Tons	(NA)	654,915	614,484	354,940	149,091	12,361,695	116,560
<b>Fruits and melons:</b>								
Avocados	Acres	104	299	(NA)	(NA)	(NA)	(NA)	(NA)
	Pounds	920,000	531,016	1,084,612	308,314	68,675	63,247	(NA)
Bananas	Acres	924	1,137	705	(NA)	(NA)	(NA)	(NA)
	Pounds	6,400,000	5,363,791	8,382,000	278,063	160,953	333,069	141,653
Mangoes	Acres	(NA)	279	(NA)	(NA)	(NA)	(NA)	(NA)
	Pounds	(NA)	281,394	220,673	485,192	353,398	2,265	(NA)
Papayas	Acres	652	907	(NA)	(NA)	(NA)	(NA)	(NA)
	Pounds	10,885,000	3,800,371	5,232,000	1,388,989	739,556	22,078	(NA)
Watermelons	Acres	533	596	204	520	(NA)	(NA)	(NA)
<b>Vegetables for sale:</b>								
Beans, snap	Acres	204	381	301	139	(NA)	(NA)	(NA)
Cabbages, head	Acres	493	672	553	594	(NA)	(NA)	(NA)
Cabbage, Chinese	Acres	275	353	285	(NA)	(NA)	(NA)	(NA)
Corn, green	Acres	376	353	129	(NA)	(NA)	(NA)	(NA)
Daikon	Acres	284	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Lettuce	Acres	276	376	121	(NA)	(NA)	(NA)	(NA)
Potatoes	Acres	74	106	487	214	405	353	166
	Hundredweight	4,600	4,956	19,916	6,054	13,664	9,732	5,545
Sweetpotatoes	Acres	173	279	180	336	232	270	135
	Hundredweight	15,900	12,177	9,271	18,777	13,008	12,104	5,106
Tomatoes	Acres	481	582	449	309	(NA)	(NA)	(NA)
<b>Miscellaneous crops:</b>								
Coffee	Acres	4,320	3,403	4,136	5,360	5,687	3,727	(NA)
	Pounds	8,264,000	4,648,155	8,546,783	19,949,521	19,883,650	9,834,026	(NA)
Macadamia nuts	Acres	2,721	1,161	(NA)	(NA)	(NA)	(NA)	(NA)
	Pounds	930,000	703,931	181,159	5,272	(NA)	(NA)	(NA)
Rice	Acres	205	170	509	2,045	5,801	9,425	9,130
	Hundredweight	6,150	6,585	19,018	75,321	295,718	418,279	334,424
Field corn	Acres	(NA)	762	1,832	1,532	6,027	3,190	3,238
	Hundredweight	(NA)	9,630	16,320	20,080	64,473	46,917	64,900
Napier grass	Acres	(NA)	1,216	468	(NA)	(NA)	(NA)	(NA)
	Tons	(NA)	13,050	16,902	(NA)	(NA)	(NA)	(NA)
Taro	Acres	608	591	622	772	(NA)	(NA)	(NA)
	Hundredweight	105,750	104,897	115,800	239,020	(NA)	(NA)	(NA)

NA—Not available.

<sup>1</sup> Molokai not included. Production for 1954 was estimated from recorded marketings, with adjustments for direct sales to retailers or consumers by farmers. Field losses resulting from market gluts are included in the production estimates.

<sup>2</sup> Acres in the crop, December 31, 1949.

<sup>3</sup> Acres in the crop, April 1, 1950.

<sup>4</sup> Number.

<sup>5</sup> Bunches.

<sup>6</sup> Boxes.

<sup>7</sup> Bags.

<sup>8</sup> Green weight.

TABLE 6.—ACRES, PRODUCTION, AND VALUE OF SPECIFIED CROPS: 1954<sup>1</sup>

Item	Acres <sup>2</sup>	Production <sup>3</sup>	Value <sup>4</sup>	Item	Acres <sup>2</sup>	Production <sup>3</sup>	Value <sup>4</sup>
<b>All crops, total</b>	307,926	(NA)	260,974,000	<b>Vegetables—Continued</b>			
Sugar	220,138	(NA)	141,000,000	Corn, green	376	1,245,000	96,000
Pineapples	73,200	(NA)	108,000,000	Cucumbers	292	3,360,000	363,000
<b>Fruits and melons, total</b>	2,385	22,310,000	1,585,000	Daikon	284	3,535,000	148,000
Avocados:				Dasheens	16	365,000	59,000
Bearing	164	920,000	76,000	Eggplant	35	580,000	54,000
Nonbearing	30			Ginger root	11	505,000	107,000
Bananas: <sup>5</sup>				Lettuce	276	2,730,000	329,000
Bearing	862	6,400,000	459,000	Lotus root	60	440,000	109,000
Nonbearing	62			Onions, dry	80	740,000	46,000
Oranges:				Onions, green	35	480,000	66,000
Bearing	24	240,000	12,000	Peppers, sweet	80	810,000	131,000
Nonbearing				Potatoes	74	460,000	27,000
Papayas:				Pumpkins	33	285,000	7,000
Bearing	464	10,885,000	629,000	Squash, Italian	12	215,000	28,000
Nonbearing	188			Sweetpotatoes	173	1,590,000	125,000
Tangerines	22	370,000	56,000	Tomatoes	481	5,670,000	822,000
Cantaloups	36	265,000	47,000	Watercress	21	2,445,000	244,000
Watermelons	533	3,230,000	306,000	<b>Miscellaneous crops, total</b>	8,545	20,384,000	6,209,000
<b>Vegetables, total</b>	3,658	42,630,000	4,158,000	Coffee: <sup>6</sup>			
Beans, snap	204	1,925,000	290,000	Bearing	3,546	8,264,000	5,537,000
Broccoli	62	350,000	67,000	Nonbearing	1,465		
Burdock	41	665,000	113,000	Macadamia nuts: <sup>7</sup>			
Cabbage, head	493	8,175,000	315,000	Bearing	1,326	930,000	159,000
Cabbage, Chinese	275	2,710,000	286,000	Nonbearing	1,395		
Cabbage, mustard	71	920,000	86,000	Rice: <sup>8</sup>	205	615,000	105,000
Carrots	90	905,000	53,000	Taro	608	10,575,000	408,000
Cauliflower	35	300,000	43,000	Honey and beeswax			22,000
Celery	48	1,225,000	144,000				

NA—Not available.

<sup>1</sup> Data for Molokai not included.

<sup>2</sup> Acreage of tree fruits, lotus root, taro, and water cress is average acreage for year. Acreage of melons, other vegetables, and rice is plantings harvested during the year.

<sup>3</sup> Acreage of coffee and macadamia nuts is that at end of year. Production is estimated from recorded marketings, with adjustments for direct sales to retailers or consumers by farmers. Field losses resulting from market gluts are included in the production estimates.

<sup>4</sup> Value is calculated at average wholesale prices of marketings on the Island of origin. No value is included for the following quantities of crops not harvested because of market conditions (1,000 pounds): 15 avocados, 50 oranges, 170 papayas, 10 tangerines, 270 head cabbage, 55 carrots, 30 cucumbers, 5 dry onions, 155 pumpkins, 60 sweetpotatoes, and 75 tomatoes. Value of sugar and pineapples includes processed products and byproducts.

<sup>5</sup> Includes cooking bananas.

<sup>6</sup> Crop year ending June 30 for production and value; green basis.

<sup>7</sup> Production and value are in-shell basis.

<sup>8</sup> Production and value are milled basis.

<sup>9</sup> Revised figure is 37,000. 22,000 was retained to maintain internal consistency.

TABLE 7.—ACRES AND PRODUCTION OF SPECIFIED CROPS, BY ISLANDS:<sup>1</sup> 1954

Item	Unit	The Territory	Hawaii	MauI	Oahu	Kaui
Sugar.....	Acres.....	220,138	(NA)	(NA)	(NA)	(NA)
	Tons.....	(NA)	(NA)	(NA)	(NA)	(NA)
Pineapples.....	Acres.....	73,200	(NA)	(NA)	(NA)	(NA)
	Tons.....	(NA)	(NA)	(NA)	(NA)	(NA)
<b>Fruits and Melons:</b>						
Avocados.....	Acres.....	194	156	32	-----	6
	Pounds.....	920,000	745,000	135,000	-----	40,000
Bananas.....	Acres.....	924	47	53	816	8
	Pounds.....	6,400,000	300,000	310,000	5,615,000	85,000
Papayas.....	Acres.....	652	159	11	477	5
	Pounds.....	10,885,000	2,500,000	100,000	8,200,000	85,000
Watermelons.....	Acres.....	533	18	60	400	16
	Pounds.....	3,230,000	160,000	550,000	2,220,000	300,000
<b>Vegetables for sale:</b>						
Beans, snap.....	Acres.....	204	32	27	123	22
	Pounds.....	1,925,000	230,000	240,000	1,205,000	100,000
Cabbage, head.....	Acres.....	493	84	315	64	30
	Pounds.....	8,175,000	1,380,000	5,715,000	715,000	365,000
Cabbage, Chinese.....	Acres.....	275	63	46	154	12
	Pounds.....	2,710,000	640,000	530,000	1,450,000	90,000
Corn, green.....	Acres.....	376	18	18	320	20
	Pounds.....	1,245,000	80,000	70,000	1,000,000	95,000
Daikon.....	Acres.....	284	236	5	43	-----
	Pounds.....	3,535,000	2,600,000	85,000	850,000	-----
Lettuce.....	Acres.....	276	135	25	66	-----
	pounds.....	2,730,000	1,530,000	285,000	915,000	-----
Potatoes.....	Acres.....	74	13	61	-----	-----
	Hundredweight.....	4,600	1,000	3,600	-----	-----
Sweetpotatoes.....	Acres.....	173	43	9	94	27
	Hundredweight.....	15,000	4,000	850	9,400	1,650
Tomatoes.....	Acres.....	481	76	87	253	65
	Pounds.....	5,670,000	870,000	1,130,000	3,030,000	640,000
<b>Miscellaneous crops:</b>						
Coffee.....	Acres.....	4,320	4,280	15	-----	25
	Pounds.....	8,264,000	8,264,000	-----	-----	-----
Macadamia nuts.....	Acres.....	2,721	2,055	273	150	243
	Pounds.....	930,000	670,000	15,000	110,000	135,000
Rice.....	Acres.....	205	-----	-----	-----	205
	Hundredweight.....	6,150	-----	-----	-----	6,150
Taro.....	Acres.....	608	126	77	250	155
	Hundredweight.....	105,750	22,000	15,550	33,900	34,300

NA—Not available.

<sup>1</sup> Data for Molokai not included. Production for 1954 was estimated from recorded marketings, with adjustments for direct sales to retailers or consumers by farmers. Field losses resulting from market gluts are included in the production estimates.

**Farms reporting.**—Table 8 shows the number of diversified commercial-size enterprises for which 1954 data are presented. (See Introduction for size of enterprise included.) These are contrasted with the number of farms reporting the like item, as obtained in the 1950 Census of Agriculture.

TABLE 8.—NUMBER OF DIVERSIFIED COMMERCIAL-SIZE ENTERPRISES, 1954; AND NUMBER OF FARMS REPORTING, CENSUS OF 1950; FOR SELECTED ITEMS OF PRODUCTION.

Item	1954	Census of 1950
Total farms.....	(NA)	5,750
Sugarcane.....	(NA)	1,163
Pineapples.....	(NA)	55
Coffee.....	906	686
Macadamia nuts.....	112	407
Honey.....	27	42
Rice.....	52	45
Taro.....	259	<sup>1</sup> 325
Fruits and vegetables.....	1,899	( <sup>2</sup> )
Cattle.....	<sup>3</sup> 933	1,048
Sheep.....	3	27
Swine.....	419	1,710
Poultry.....	335	<sup>4</sup> 3,072

NA—Not available.

<sup>1</sup> 87 reporting upland and 238 reporting wetland.<sup>2</sup> 1,222 reporting vegetables harvested for sale and 1,434 reporting tree fruits, nuts, and coffee.<sup>3</sup> 847 beef cattle enterprises of all sizes at the end of 1954, 86 dairy enterprises.<sup>4</sup> Reporting chickens 4 months old and over on hand.

**Value of marketings.**—Table 9 brings together the value of marketings for the principal commodities which enter into commercial channels. The values were calculated at the wholesale or processing plant level for products consumed in the Territory, and free alongside ship, island port, for diversified export products. Values of diversified crops and livestock are for marketings and exclude the value of products consumed on farms or not harvested because of marketing factors.

Agricultural products in 1954 were valued at \$285,737,000 Of

this total \$141,000,000 was represented by sugar. The value of processed pineapple products was \$108,000,000. Livestock products contributed \$24,763,000 and diversified crops accounted for nearly \$12,000,000. The value of processed fruits, other than pineapples, and of flowers and foliage was not estimated.

The value of coffee production (green basis, f. o. b. mill) for the crop year ending June 1954, was \$5,537,000. Macadamia nut production amounted to \$159,000; rice, \$105,000; taro for poi manufacture, \$408,000; and honey and beeswax, \$22,000.

TABLE 9.—VALUE OF AGRICULTURAL MARKETINGS: 1954<sup>1</sup>

Item	Value of production	
	Total	Percent of total
<b>All agricultural products.....</b>	<b>Dollars</b> 285,737,000	100.0
Sugar products <sup>2</sup> .....	141,000,000	49.3
Processed pineapple products <sup>3</sup> .....	108,000,000	37.8
<b>Diversified crops, total<sup>4</sup>.....</b>	<b>11,974,000</b>	<b>4.2</b>
Coffee, green <sup>5</sup> .....	5,537,000	1.9
Macadamia nuts (in shell).....	159,000	0.1
Honey and beeswax <sup>6</sup> .....	22,000	(Z)
Rice (milled).....	105,000	(Z)
Taro (for manufacture).....	408,000	0.2
Fruits and vegetables <sup>7</sup> .....	5,743,000	2.0
<b>Livestock products, total<sup>8</sup>.....</b>	<b>24,763,000</b>	<b>8.7</b>
Beef.....	6,965,000	2.4
Dairy, meat, and milk.....	7,826,000	2.8
Mutton and wool.....	62,000	(Z)
Swine.....	3,980,000	1.4
Poultry, meat and eggs.....	5,930,000	2.1

Z—Less than 0.05 percent.

<sup>1</sup> Calendar year unless otherwise specified.<sup>2</sup> Hawaiian Sugar Planters' Association data; includes raw sugar 96° delivered at coast refinery; molasses, bagasse and other byproducts.<sup>3</sup> Pineapple companies of Hawaii data; crop years ending May 31; includes canned fruit, juice, and industry byproducts.<sup>4</sup> Wholesale value, island of origin.<sup>5</sup> Value f. o. b. Kona Mill, crop year ending June 30.<sup>6</sup> Value f. a. s. island port.<sup>7</sup> Wholesale value, island of origin; fresh pineapples excluded.<sup>8</sup> Value at slaughterhouse, bottling plant, or wholesale.