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Honolulu, Hawaii
May, 1950

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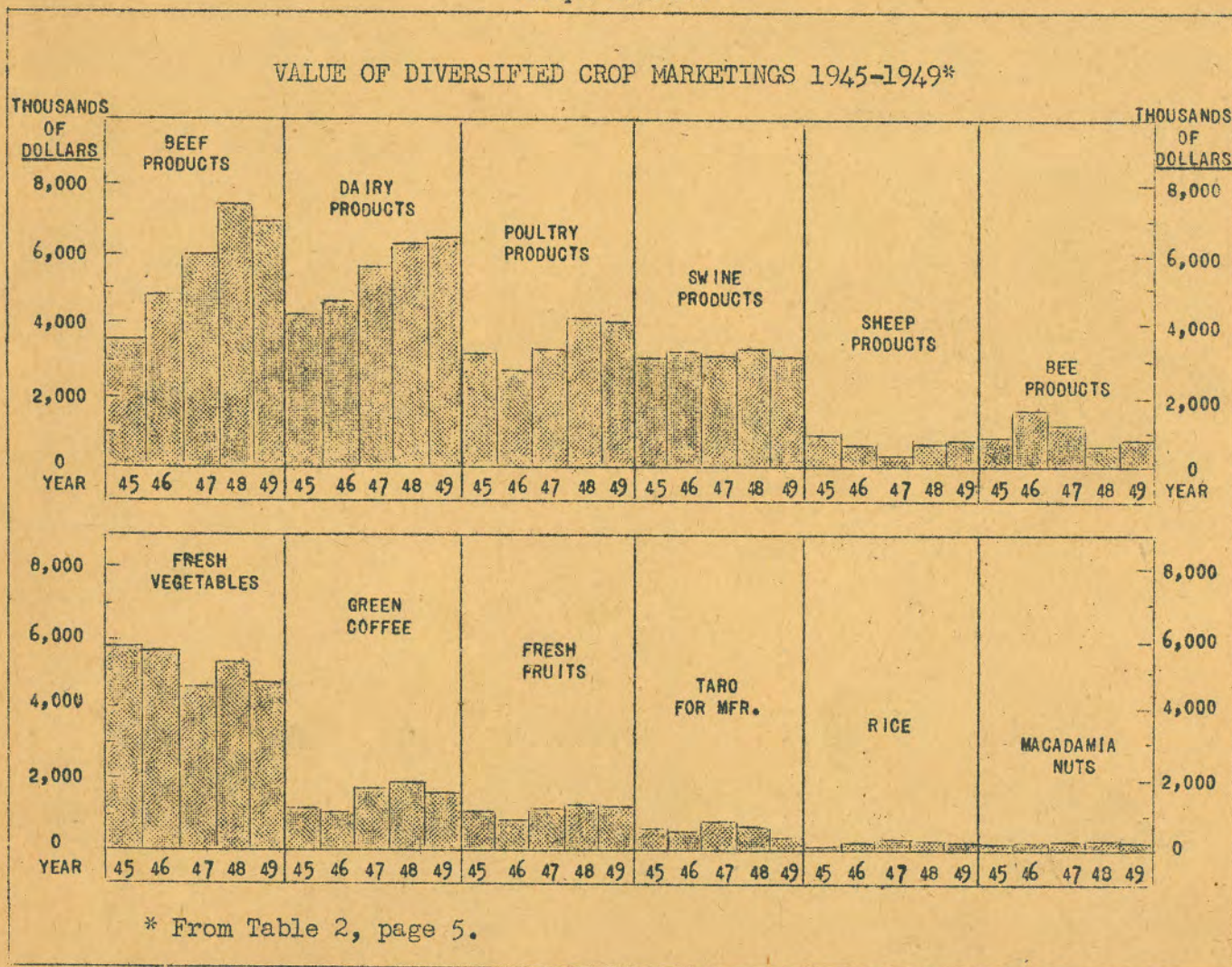
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Agricultural Economics Report

UNIVERSITY OF HAWAII, COLLEGE OF AGRICULTURE
Agricultural Extension Service

1949 STATISTICS OF DIVERSIFIED AGRICULTURE IN HAWAII

Prepared under the supervision
of
Ralph Elliott



Department of Agricultural Economics

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COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS
UNIVERSITY OF HAWAII, HONOLULU 14, HAWAII
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DISTRIBUTED IN FURTHERANCE OF THE ACTS OF CONGRESS OF MAY 8 AND JUNE 30, 1914
H. H. WARNER, DIRECTOR, HAWAII AGRICULTURAL EXTENSION SERVICE

PREFACE

Methods

Diversified Crops and Livestock: Statistics in this report represent commercial production only. Livestock and poultry are classified as commercial on an arbitrary basis of size of herd or flock as follows: beef cattle, herds over 20; swine, herds over 10; dairy cattle, over 10 mature dairy cows; and poultry, over 100 layers. Crops are listed as commercial where annual tonnage moving to market exceeds 10,000 pounds on a given island.

Livestock numbers are based on a survey of commercial producers by county agents in August or December. Other data on livestock are based on information supplied by representative producers on the various islands. Conversion of samples to total commercial is accomplished by the usual statistical procedure.

Acreage of fruits, vegetables, and miscellaneous crops is from crop reporters' records of plantings. Production is estimated from recorded marketings from each island, weighted to allow for direct, or otherwise unrecorded, sales by farmers to consumers or dealers. Estimates of production include tonnage lost for lack of market demand, but no value is included for this tonnage.

Prices of diversified export products are averages, free alongside ship, on island of origin. Other prices represent average annual wholesale prices for island of origin, weighted to allow for percentage of various grades and sizes sold. Fruit and vegetable prices are also weighted for seasonal volume.

Plantation Crops: Estimates of acreage and volume are those given by the Pineapple Research Institute and the Hawaiian Sugar Planters' Association.

ACKNOWLEDGMENT

County agents of the Agricultural Extension Service furnished the bulk of information on acreage and production of diversified crops and livestock. The aid of the Hawaiian Sugar Planters' Association and the Pineapple Research Institute in providing information on sugar and pineapples has been valuable. Producers and dealers in diversified crops and livestock furnished both annual and periodic information. The cooperation of the Board of Agriculture and Forestry, the Territorial Board of Health, and the Territorial Tax Office is also gratefully acknowledged.

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Released May 22, 1950

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DIVERSIFIED AGRICULTURE IN HAWAII

1945-1949:* During the last 5 years, price changes have generally had a greater effect on annual crop valuations than have production changes. In 1945 and part of 1946, food prices were under O.P.A. control. After the controls were removed, prices of livestock products generally advanced until 1948. Fruit and vegetable prices have fluctuated rather widely, often in response to shortages of supplies during maritime strikes. In general, however, the postwar trend of fruit and vegetable prices has not been higher than during the war control period. Territorial production of vegetables declined after 1946, partly because of decreased needs of military agencies and personnel, partly because the removal of war controls over ship tonnage permitted increased imports of mainland produce.

Agriculture in 1949: Heavy rainfall during the early months of 1949 caused above-normal damage to papayas and truck crops. Both the volume and value of 1949 marketings were affected by the maritime strike that extended from May 1 to October 23. During a part of this period, demand and price were better than usual for territorial products because of the sporadic supplies of competing imports. As a result, comparatively few fruit and vegetable crops were unsold because of lack of market. Poultry production was adversely affected during the strike because of the uncertainty of feed supplies. Maritime strikes in 1948 and 1946 were of shorter duration.

Land Utilization: Total land area of the Territory is 4,099,840 acres, but only 7 percent is in cultivated crops. Most of the remaining area is mountainous, semi-arid, or lava flows. Forest reserves comprise 26 percent, and beef and sheep graze on 42 percent of the total area. The balance is waste land, parks, cities, roads, and military establishments.

Total land area in cultivated crops was 295,350 acres in 1949, compared with 288,360 in 1948. Of the 1949 total, 213,350 acres were in sugar cane, compared to 206,550 acres in 1948; 68,000 acres in pineapples, unchanged from the previous 2 years; 14,000 acres were in diversified crops. In 1949 total crop acreage increased 7,000 acres, with slight declines in acreages of fruit trees and fresh vegetables.

Number of Farms: Some 3,625 farms produced livestock and diversified crops on a commercial scale in the Territory in 1949. Of the farms raising livestock, 329 raised beef cattle as a major enterprise, 2 sheep, 74 dairy products, 481 hogs, and 442 poultry. Of the fruit and vegetable farms, 314 produced taro as a major crop, and 1,453 produced other vegetables and fruits. Coffee was a major product on 703 farms, macadamia nuts on 70, rice on 59, and honey on 23.

Crop and Livestock Marketings: The value of livestock and diversified crop marketings in 1949, based on wholesale prices, is estimated at \$29,384,000 compared with \$31,002,000 in 1948 and \$27,176,000 in 1947. (The value of flower marketings is not included in this estimate.) Of the 1949 total, 72 percent or \$21,067,000 was from livestock and poultry products. Fruits, vegetables, and miscellaneous crops amounted to \$8,317,000 or 28 percent.

* See graph on cover page.

Fresh vegetables: The wholesale value of fresh vegetable marketings in 1949 was \$4,873,000 compared with \$5,350,000 in 1948. The volume of fresh vegetable marketings was 47,230,000 pounds, 1,265,000 lower than in 1948. This decline is partly due to losses from the storm damage in the early months of 1949. The value of taro marketed for poi manufacture declined to \$437,000 in 1949 from \$697,000 in 1948. Quantity sold also decreased to 13,900,000 pounds in 1949 from 14,195,000 in 1948.

Fresh fruits and nuts: Fresh fruits (except pineapples) were valued at \$1,119,000 in 1949 compared with \$1,180,000 in 1948. The volume of fresh fruits marketed declined to 13,950,000 pounds in 1949 from 18,505,000 in 1948. Heavy losses in bananas and papayas from storms accounted for most of the decrease. Macadamia nuts worth \$115,000, unshelled basis, were marketed in 1949 compared with marketings worth \$119,000 in 1948. The quantity decreased to 680,000 pounds in 1949 from 700,000 in 1948.

Miscellaneous crops: Marketings of green coffee for the 1948-49 crop year ending June 30 were estimated at 5,900,000 pounds, approximately a million pounds less than the previous crop. Value, f.o.b. Kona mill, was \$1,569,000 compared to \$1,825,000 for the 1947-48 crops. The value of miscellaneous crop marketings, including rice, field corn, dry beans, and peanuts, was \$319,000 in 1949. It was \$313,000 in 1948.

Beef cattle: The number of cattle marketed in 1949 amounted to 33,690 head, compared with 34,140 head in 1948. Beef products in 1949 were valued at \$7,068,000 compared with \$7,509,000 in 1948.

Dairy products: Milk production in 1949 was 31,735,000 quarts compared with 31,326,000 in 1948. Value of milk and dairy meat products marketed was \$6,597,000 compared with \$6,441,000 in 1948.

Swine: The number of Island hogs marketed in 1949 was 44,300 head, compared with 43,100 in 1948. Swine marketed in 1949 averaged lighter in weight than those sold in 1948. The value of marketings delivered at slaughterhouse in 1949 was \$3,113,000. It was \$3,376,000 in 1948.

Poultry: Egg production in 1949 amounted to 3,173,000 dozens, a slight decrease from the 3,290,000 dozens produced in 1948. The wholesale value of eggs and poultry meat marketings in 1949 was \$4,160,000 compared with \$4,189,000 in 1948.

Honey: Honey and beeswax production in 1949 totaled 750,000 pounds with an estimated value of \$60,000 compared with 664,000 pounds valued at \$56,000 in 1948.

Mutton and wool: The value of mutton and wool marketings in 1949 was \$69,000 compared with \$66,000 in 1948.

STATISTICS OF VALUE AND VOLUME OF AGRICULTURAL MARKETINGS
Table 1.--Volume of Hawaiian Agricultural Marketings, 1949, 1948, and 1947 1/

Commodity		1949	1948 ^{2/}	1947 ^{2/}
Sugar, raw (96°) ^{3/}	tons	955,890	835,107	872,187
Pineapples: ^{4/} canned fruit	cases	13,696,908	11,429,144	10,236,886
canned juice	cases	10,043,475	8,893,631	8,206,789
Beef cattle	head	33,690	34,140	33,800
Dairy products: meat, including calves	head	4,430	6,010	4,965
milk	1,000 quarts	31,735	31,326	32,245
Sheep products: mutton	head	2,080	2,750	1,050
wool	1,000 pounds	72	75	66
Swine ^{5/}	head	44,300	43,100	43,100
Poultry products: eggs	1,000 dozens	3,173	3,290	2,703
meat birds	number	471,700	359,000	344,700
Bee products: honey, extracted	1,000 pounds	738	652	758
beeswax	1,000 pounds	12	12	15
Fruits, fresh (except pineapples)	1,000 pounds	13,950	18,505	16,670
Vegetables, fresh	1,000 pounds	47,230	48,495	48,105
Taro (for manufacture)	1,000 pounds	13,900	14,195	12,615
Coffee, green ^{6/}	1,000 pounds	5,900	6,990	6,900
Corn, field; dry beans; and peanuts	1,000 pounds	825	775	1,000
Macadamia nuts, unshelled	1,000 pounds	680	700	680
Rice, milled	1,000 pounds	725	555	890

1/ MARKETINGS OF COMMERCIAL PRODUCERS.

2/ REVISED ESTIMATES.

3/ HAWAIIAN SUGAR PLANTERS' ASSOCIATION ESTIMATES.

4/ PINEAPPLE RESEARCH INSTITUTE ESTIMATES OF PACKS, FISCAL YEAR ENDING MAY 31 OF YEAR GIVEN. FROZEN FRUIT PACKS NOT INCLUDED.

5/ FEEDERS IMPORTED FROM THE MAINLAND AND FATTENED ON TERRITORIAL FARMS ARE NOT INCLUDED.

6/ ESTIMATES FOR CROP YEAR ENDING JUNE 30 OF YEAR GIVEN.

Table 2.--Value of Diversified Agricultural Marketings, 5-Year Comparison, 1945-49 1/
(Value based at Wholesale, First Handler, or f.o.b. Island Port)

Commodity	1949	1948	1947	1946	1945
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
<u>Livestock, poultry, and bee products</u>					
Beef products	7,068	7,509	6,049	4,931	3,655
Sheep products	69	66	37	60	90
Dairy products: milk and meat	6,597	6,441	5,778	4,704	4,307
Swine	3,113	3,376	3,194	3,319	3,111
Poultry products	4,160	4,189	3,437	2,701	3,258
Bee products	60	56	120	159	76
Total livestock and bee products	21,067	21,637	18,615	15,874	14,497
<u>Fruits and vegetables</u>					
Fruits, fresh (except pineapples)	1,119	1,180	1,151	878	1,048
Vegetables, fresh	4,873	5,350	4,510	5,799	5,840
Taro (for manufacture)	437	697	814	568	574
Total fruits and vegetables	6,429	7,227	6,475	7,245	7,462
<u>Miscellaneous crops</u>					
Coffee, green 2/	1,569	1,825	1,746	1,028	1,250
Corn, field; dry beans; and peanuts	61	37	56	48	58
Macadamia nuts, unshelled	115	119	117	95	79
Rice, milled	143	157	167	137	73
Total miscellaneous crops	1,888	2,138	2,086	1,308	1,460
Total livestock and diversified agricultural products	29,384	31,002	27,176	24,427	23,419

1/ MARKETINGS OF COMMERCIAL PRODUCERS.

2/ ESTIMATES FOR CROP YEAR ENDING JUNE 30 OF GIVEN YEAR.

Table 3.--Value of Diversified Agricultural Product Marketings, 1949, by Commodity and Island of Origin, with 1948 and 1947 Comparisons 1/

Commodity	Hawaii	Maui	Molokai & Lanai	Oahu	Kauai & Niihau	Territory		
						1949	1948 ^{2/}	1947 ^{2/}
	1,000 dollars					1,000 dollars		
Beef cattle:								
Meat, hides, tallow, and offal	4,659	1,306	285	168	650	7,068	7,509	6,049
Sheep:								
Wool, mutton, offal, and hides	3/	-	-	-	3/	69	66	37
Dairy:								
Milk, meat, hides, tallow, and offal	527	586	3/	5,202	266	6,597	6,441	5,778
Swine:								
Pork	343	293	169	2,142	166	3,113	3,376	3,194
Poultry: 4/								
Eggs and meat	756	552	24	2,680	148	4,160	4,189	3,437
Honey, extracted; and beeswax	13	13	2	6	26	60	56	120
Total livestock and bee products	6,340	2,750	495	10,198	1,285	21,067	21,637	18,615
Fruits, fresh (except pineapples)	214	89	3	790	23	1,119	1,180	1,151
Vegetables, fresh	1,476	1,136	25	1,922	314	4,873	5,350	4,510
Taro (for manufacture)	115	38	10	178	96	437	697	814
Total fruits and vegetables	1,805	1,263	38	2,890	433	6,429	7,227	6,475
Coffee, green ^{5/}	1,569	-	-	-	-	1,569	1,825	1,746
Corn, field; dry beans; and peanuts	39	13	4	-	5	61	37	56
Macadamia nuts, unshelled	85	3	-	7	20	115	119	117
Rice, milled	143	-	-	-	-	143	157	167
Total miscellaneous crops	1,836	16	4	7	25	1,888	2,138	2,086
Total livestock and diversified agricultural products	9,981	4,029	537	13,095	1,743	29,384	31,002	27,176

1/ MARKETINGS OF COMMERCIAL PRODUCERS.

2/ REVISED ESTIMATES.

3/ DATA DELETED OR ROUNDED TO AVOID DISCLOSURE.

4/ INCLUDING QUANTITY CONSUMED AT HOME.

5/ ESTIMATES FOR CROP YEAR ENDING JUNE 30 OF YEAR GIVEN.

Table 4.—Volume of 1949 Marketings of Diversified Agricultural Products, by Commodities and Island of Origin, with 1948 and 1947 Comparisons^{1/}

Commodity	Hawaii	Maui	Molokai & Lanai	Oahu	Kauai & Niihau	Territory		
						1949	1948 ^{2/}	1947 ^{2/}
Livestock, poultry, and bee products								
Beef cattle..... head	21,080	6,970	1,700	710	3,230	33,690	34,140	33,800
Dairy cows and calves								
Meat..... head	380	470	-	3,400	180	4,430	6,010	4,695
Milk..... 1,000 quarts	2,558	2,759	73	25,031	1,314	31,735	31,326	32,245
Sheep..... head	3/	-	-	-	3/	2,080	2,750	1,050
Wool..... 1,000 pounds	3/	-	-	-	3/	72	75	66
Swine 4/..... head	5,100	4,500	2,300	30,000	2,400	44,300	43,100	43,100
Poultry 5/								
Eggs..... 1,000 dozens	611	462	18	1,966	116	3,173	3,290	2,703
Meat birds..... number	83,000	49,700	3,000	320,000	16,000	471,700	359,000	344,700
Bee products								
Honey, extracted..... 1,000 pounds	153	167	17	77	324	738	652	758
Beeswax..... 1,000 pounds	3	3	6/	1	4	12	12	15
Fruits and vegetables								
Fruits, fresh (except pineapples)..... 1,000 pounds	2,580	845	40	10,215	270	13,950	18,505	16,670
Vegetables, fresh..... 1,000 pounds	14,915	13,165	250	16,060	2,840	47,230	48,495	48,105
Taro (for manufacture)..... 1,000 pounds	2,500	1,270	330	6,600	3,200	13,900	14,195	12,615
Total fruits and vegetables.....	19,995	15,280	620	32,875	6,310	75,080	81,195	77,390
Miscellaneous crops								
Coffee, green 7/..... 1,000 pounds	5,900	-	-	-	-	5,900	6,990	6,900
Corn, field; dry beans; and peanuts..... 1,000 pounds	515	175	60	-	75	825	775	1,000
Macadamia nuts, unshelled..... 1,000 pounds	500	20	-	40	120	680	700	680
Rice, milled..... 1,000 pounds	-	-	-	-	725	725	555	890
Total miscellaneous crops.....	6,915	195	60	40	195	8,130	9,020	9,470

1/ MARKETINGS OF COMMERCIAL PRODUCERS.

2/ REVISED ESTIMATES.

3/ DATA DELETED TO AVOID DISCLOSURE.

4/ FEEDERS IMPORTED FROM THE MAINLAND AND FATTENED ON TERRITORIAL FARMS ARE NOT INCLUDED.

5/ INCLUDES QUANTITY CONSUMED AT HOME.

6/ LESS THAN 1,201 POUNDS.

7/ CROP YEAR ENDING JUNE 30 OF YEAR GIVEN.

STATISTICS OF LAND UTILIZATION AND DIVERSIFIED FARMS

Table 5.--Territorial Land Utilization, 1949, 1948, and 1947

Commodity	1949	Percentage of total land area	1948 ^{1/}	Percentage of total land area	1947 ^{1/}	Percentage of total land area
	Acres	Percent	Acres	Percent	Acres	Percent
Diversified crops ^{2/}						
Coffee ^{3/}	3,500		3,500		3,500	
Corn, field; peanuts, dry beans ^{4/}	878		728		953	
Fruits, tree ^{3/}	2,043		2,065		1,989	
Nuts, macadamia ^{5/}	1,317		1,166		1,022	
Rice ^{4/}	210		163		217	
Taro ^{3/}	944		1,015		930	
Vegetables ^{4/}	5,103		5,176		5,254	
Total diversified crops ^{6/}	14,000	0.3	13,810	0.3	13,870	0.3
Plantation crops						
Sugar cane ^{7/}	213,350		206,550		211,625	
Pineapples ^{8/}	68,000		68,000		68,000	
Total plantation crops	281,350	6.9	274,550	6.7	279,625	6.8
Total cultivated crops	295,350	7.2	288,360	7.0	293,235	7.1
Other agricultural uses						
Ranges: beef and sheep ^{9/}	1,711,000		1,723,000		1,694,800	
Territorial forest reserves ^{10/}	1,066,840		1,066,840		1,071,360	
Total other	2,777,840	67.8	2,789,840	68.0	2,766,160	67.5
Total agricultural utilization	3,073,190	75.0	3,078,200	75.0	3,059,395	74.6
Total land area ^{11/}	4,099,840					

^{1/} REVISED ESTIMATES

^{2/} COMMERCIAL ACREAGE ONLY; SOME MINOR CROPS OMITTED (COTTON, ETC.).

^{3/} AVERAGE ACREAGE DURING YEAR.

^{4/} PLANTINGS FOR 1949 HARVEST.

^{5/} END-OF-YEAR ACREAGE.

^{6/} ROUNDED TOTALS.

^{7/} HAWAIIAN SUGAR PLANTERS' ASSOCIATION ESTIMATES; ACRES IN CROP, END OF YEAR, ROUNDED.

^{8/} PINEAPPLE RESEARCH INSTITUTE ESTIMATES FOR END OF YEAR, INCLUDING WASTELAND, CAMPSITES, AND ROADS.

^{9/} COUNTY AGENTS' ESTIMATES.

^{10/} BOARD OF AGRICULTURE AND FORESTRY 1948 SURVEY. ^{11/} 1940 CENSUS DATA.

Table 6.--Land Utilization by Islands, 1949

Commodity	Hawaii		Maui		Molokai-Lanai		Oahu		Kauai-Niihau	
	Acres	Per- cent ^{1/}	Acres	Per- cent ^{1/}	Acres	Per- cent ^{1/}	Acres	Per- cent ^{1/}	Acres	Per- cent ^{1/}
Diversified crops: ^{2/}										
Coffee ^{3/}	3,500		--		--		--		--	
Corn, field; peanuts; beans, dry	578		130		70		--		100	
Fruits, tree ^{3/}	282		221		84		1,427		29	
Nuts, macadamia ^{4/}	891		73		2		114		237	
Rice ^{5/}	--		--		--		--		210	
Taro ^{3/}	190		85		32		462		175	
Vegetables	1,236		1,468		33		2,096		270	
Total diversified crops ^{6/}	6,680	0.3	1,980	0.4	220	0.1	4,100	1.1	1,020	0.3
Plantation crops										
Sugar Cane ^{7/}	98,365		36,135		--		35,350		43,500	
Pineapples ^{8/}	--		11,000		31,000		20,000		6,000	
Total plantation crops	98,365	3.8	47,135	9.5	31,000	12.1	55,350	14.7	49,500	12.4
Total cultivated land	105,045	4.1	49,115	9.9	31,220	12.2	59,450	15.8	50,520	12.7
Other agricultural uses:										
Ranges: beef and sheep ^{9/}	1,260,000		160,000		130,000		23,000		138,000	
Territorial forest reserve ^{10/}	576,220		160,055		52,805		117,105		160,655	
Total other	1,836,220	71.3	320,055	64.8	182,805	71.2	140,105	37.1	298,655	74.9
Total agricultural utilization	1,941,265	75.4	369,170	74.7	214,025	83.4	199,555	52.9	349,175	87.6
Total land area ^{11/}	2,573,440		494,080		256,640		376,960		398,720	

^{1/} PERCENTAGE OF TOTAL LAND AREA.^{2/} COMMERCIAL ACREAGE ONLY. SOME MINOR CROPS OMITTED (COTTON, ETC.).^{3/} AVERAGE ACREAGE DURING YEAR. ^{4/} END-OF-YEAR ACREAGE.^{5/} PLANTINGS FOR 1949 HARVEST.^{6/} ROUNDED TOTALS.^{7/} HAWAIIAN SUGAR PLANTERS' ASSOCIATION ESTIMATES; ACRES IN CROP AT END OF YEAR, ROUNDED.^{8/} PINEAPPLE RESEARCH INSTITUTE ESTIMATES FOR END OF YEAR, INCLUDING WASTE-
LAND, CAMPSITES, AND ROADS.^{9/} COUNTY AGENTS' ESTIMATES.^{10/} BOARD OF AGRICULTURE AND FORESTRY 1948 SURVEY.^{11/} 1940 CENSUS DATA.

Table 7.--Number of Commercial Scale Diversified Agricultural Enterprises
and Total Number of Farms, 1949, with 1948 and 1947 Comparisons

Commodity	Hawaii	Maui	Molokai and Lanai	Oahu	Kauai and Niihau	Territory ^{1/}		
						1949	1948	1947
Beef cattle	176	75	20	10	48	329	291	255
Sheep	1	-	-	-	1	2	2	2
Dairy	24	7	1	38	4	74	75	78
Hogs	69	69	30	269	44	481	490	487
Poultry	169	37	5	208	23	442	481	677
Total livestock	439	188	56	525	120	1,330	1,340	1,500
Fruits and vegetables ^{2/}	369	275	27	679	103	1,453	1,445	1,499
Taro	60	72	12	102	68	314	338	330
Total fruits and vegetables	429	347	39	781	171	1,765	1,785	1,830
Coffee	703	-	-	-	-	703	700	700
Macadamia nuts	33	6	4	7	20	70	65	48
Rice	-	-	-	-	59	59	49	46
Honey	3	9	2	7	2	23	29	30
Total miscellaneous crops	739	15	6	14	81	855	840	825
Total commercial-scale enterprises ^{3/}	1,607	550	101	1,320	372	3,950	3,965	4,155
Total farms ^{4/}	1,503	535	84	1,233	270	3,625	3,650	4,010

^{1/} ROUNDED TOTALS.

^{2/} EXCEPT PINEAPPLES.

^{3/} SOME FARMS HAVE MORE THAN ONE ENTERPRISE.

^{4/} IN "TOTAL FARMS" EACH FARM IS LISTED ONLY ONCE REGARDLESS OF NUMBER OF ENTERPRISES.

Table 8.—WEIGHTED AVERAGE ANNUAL WHOLESALE PRICES OF LIVESTOCK, POULTRY, AND BEE PRODUCTS, 1949, 1948 AND 1947^{1/}

Commodity	1949		1948		1947	
	Oahu	Outlying islands	Oahu	Outlying islands	Oahu	Outlying islands
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Beef cattle:						
Beef carcasses ^{2/} pound	.448	.398	.445	.395	.37	.32
Offal, hide, and tallow ^{2/} per beef animal	19.50	18.20	24.70	23.40	24.30	22.00
Dairy cattle and milk:						
Milk ^{3/} quart	.187	.192	.18	.19	.17	.15
Mature dairy cattle carcasses ^{2/} pound	.454	.355	.40	.35	.33	.28
Dairy calf carcasses ^{2/} pound	.27	.22	.25	.21	.18	.15
Offal, hide, and tallow ^{2/} per mature dairy animal	18.00	16.70	22.70	21.40	22.70	20.40
Offal and hide ^{2/} per dairy calf	3.00	2.90	3.20	3.15	5.05	4.96
Sheep and wool:						
Mutton carcasses ^{2/} pound	-	.30	-	.23	-	.20
Wool ^{4/} pound	-	.50	-	.43	-	.40
Offal and hide ^{2/} per animal	-	1.05	-	1.05	-	1.00
Swine ^{5/} liveweight, pound	.42	.42	.42	.42	.42	.42
Poultry and eggs:						
Eggs in cases..... dozen	.99	.92	1.03	.89	1.00	.96
Hens and roosters sold for meat..... liveweight, pound	.57	.58	.63	.50	.55	.50
Broilers, fryers, and roasters..... liveweight, pound	.65	.67	.75	.60	.75	.67
Bee products:						
Honey ^{4/} extracted, pound	.075	.075	.08	.08	.15	.15
Beeswax ^{4/} pound	.38	.38	.43	.43	.44	.44

^{1/} PRICES WEIGHTED BY THE RELATIVE MARKETINGS OF EACH GRADE.^{2/} SALES BY SLAUGHTERHOUSE.^{3/} DELIVERED BOTTLING PLANT.^{4/} F.A.S. ISLAND PORT.^{5/} DELIVERED SLAUGHTERHOUSE.

STATISTICS OF COMMERCIAL CATTLE RANCHES
(Ranches with 20 head or more are classified as commercial)

Table 9.--Ranches, Pasture Acreage, Number of Cattle, and Marketing, 1949 with 1948 and 1947 Comparisons

Island	Number of ranches	Acreage used for pasture	Beef cattle on ranches December 31	Beef cattle marketed in 1949	Marketings as percentage of number of cattle on ranches	Pasture per head at end of year
	<u>Number</u>	<u>Acres</u>	<u>Number</u>	<u>Number</u>	<u>Percent</u>	<u>Acres</u>
Hawaii						
East	102	470,000	31,000	7,230	23	15.2
West	35	295,000	17,400	4,040	23	17.0
North	39	465,000	42,500	9,810	23	10.9
Total	176	1,230,000	90,900	21,080	23	
Maui	75	160,000	25,800	6,970	27	6.2
Molokai and Lanai	20	130,000	8,600	1,700	20	15.1
Oahu	13	23,000	2,600	710	27	8.8
Kauai and Niihau	48	138,000 ^{1/}	13,500	3,230	24	10.2
Territory 1949	332	1,681,000	141,400	33,690	24	11.9
1948 ^{2/}	326	1,693,000	141,500	34,140	24	12.0
1947 ^{2/}	255	1,619,000	132,800	33,800	24	12.2

^{1/} ACREAGE USED FOR BOTH BEEF CATTLE AND SHEEP.

^{2/} REVISED ESTIMATES.

Table 10.--Weight and Value of Beef Cattle Marketings, 1949 with 1948 and 1947 Comparisons

Island	Number of head marketed	Dressed weight	Value at slaughterhouse		
			Dressed carcasses	Offal, hides and tallow	Total
		<u>1,000 pounds</u>	<u>1,000 dollars</u>	<u>1,000 dollars</u>	<u>1,000 dollars</u>
Hawaii	21,080	10,742	4,275	384	4,659
Maui	6,970	2,962	1,179	127	1,306
Molokai and Lanai	1,700	637	254	31	285
Oahu	710	344	154	14	168
Kauai and Niihau	3,230	1,486	591	59	650
Territory 1949	33,690	16,171	6,453	615	7,068
1948 ^{1/}	34,140	16,941	6,709	799	7,509
1947	33,800	16,489	5,303	746	6,049

^{1/} REVISED ESTIMATES.

STATISTICS OF COMMERCIAL DAIRIES

(Dairies with 10 or more mature dairy cows are classified as commercial)

Table 11.--Number of Commercial Dairies in Territory, August 1949, by Islands and Size of Herds, with 1948 and 1947 Comparisons

Number of mature dairy cows per farm	August 1949						August 1948	August 1947
	Hawaii	Maui	Molokai	Oahu	Kauai	Territory	Territory	Territory
300 or more	0	1	0	3	0	4	5	6
150 to 299	1	1	0	11	1	14	15	15
50 to 149	3	4	0	19	2	28	27	27
10 to 49	20	1	1	5	1	28	28	30
Total 1949	24	7	1	38	4	74		
1948	24	7	1	39	4		75	
1947 1/	23	7	1	42	5			78

1/ REVISED ESTIMATES.

Table 12.--Average Daily Milk Production per Cow, by Months and Islands, and Average for 1949, 1948, and 1947

Island	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average		
													1949	1948	1947
	Quarts												Quarts		
Hawaii	8.7	8.3	8.4	8.6	8.5	8.5	8.1	7.5	7.8	8.0	8.0	8.0	8.2	8.5	7.7
Maui	7.2	7.4	7.7	7.7	7.7	7.5	7.5	7.4	7.2	7.4	7.3	7.1	7.4	7.3	7.1
Molokai	8.7	9.6	9.0	9.0	9.4	9.0	8.3	7.8	7.4	7.2	8.7	9.3	8.6	8.2	8.9
Oahu	9.9	10.1	10.4	10.2	10.3	10.3	10.5	10.4	10.4	10.2	10.0	9.8	10.2	9.7	9.6
Kauai	7.2	7.2	7.5	8.0	7.4	7.8	8.0	7.9	8.0	8.0	8.0	8.0	7.8	7.5	6.2
Territory															
1949	9.4	9.5	9.8	9.7	9.7	9.7	9.8	9.7	9.6	9.6	9.4	9.3	9.6		
1948	9.0	8.7	9.0	9.2	9.4	9.3	9.8	9.2	9.0	9.2	9.3	9.3		9.2	
1947 1/	9.0	9.0	9.1	9.2	9.3	9.2	8.8	8.7	8.7	8.4	8.8	9.0			8.9

1/ REVISED ESTIMATES.

Table 13.-- Average Daily Milk Production per Month, by Islands, and Yearly Average for 1949, 1948, and 1947

Island	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average		
													1949	1948 ^{1/}	1947 ^{1/}
	<u>Quarts</u>												<u>Quarts</u>		
Hawaii	7,500	7,100	7,200	7,300	7,100	7,200	6,700	6,400	6,800	7,000	7,000	6,800	7,000	7,000	6,400
Maui	7,300	7,600	7,800	7,900	7,800	7,600	7,600	7,300	7,300	7,500	7,500	7,500	7,600	8,300	8,700
Molokai ^{2/}	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
Oahu	67,800	68,000	71,500	74,100	72,000	70,100	69,000	66,700	65,500	65,500	65,000	67,700	68,600	66,600	70,100
Kauai	3,300	3,400	3,600	3,700	3,500	3,600	3,600	3,700	3,700	3,700	3,700	3,700	3,600	3,500	3,000
Territory															
1949	86,100	86,300	90,300	93,200	90,600	88,700	87,100	84,300	83,500	83,900	83,400	85,900	87,000		
1948	85,400	85,600	85,700	87,300	87,900	83,400	87,400	87,400	82,900	84,100	84,300	85,600		85,600	
1947	88,700	88,900	89,800	91,700	92,600	91,100	89,200	93,000	86,600	84,200	86,500	83,800			88,800

^{1/} REVISED ESTIMATES.^{2/} DATA ROUNDED TO AVOID DISCLOSURE.

Table 14.--Cows Milking as Percentage of All Mature Dairy Cows, by Months and Islands, and Average for 1949, 1948, and 1947

Island	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average ^{1/}		
													1949	1948	1947
	<u>Percent</u>												<u>Percent</u>		
Hawaii	70	69	68	71	69	75	74	69	74	72	70	68	71	72	72
Maui	69	67	67	68	68	70	68	70	71	71	72	69	69	69	70
Molokai	61	65	74	75	74	71	71	71	74	70	70	73	71	71	83
Oahu	72	74	73	71	77	75	74	79	77	75	73	73	74	75	76
Kauai	68	65	68	73	72	71	71	70	70	69	68	68	69	73	65
Territory															
1949	71	72	71	71	75	74	73	77	76	74	72	72	73		
1948	72	74	71	73	73	76	75	72	72	75	75	76		74	
1947	78	78	77	78	75	75	72	71	73	71	72	72			74

^{1/} SIMPLE AVERAGE OF MONTHLY PERCENTAGE.

Table 15.--Number of Mature Dairy Cows, by Islands and Months, 1949 and Average for Year

Island	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average 1949
Hawaii.....	860	860	860	850	840	850	830	850	870	880	870	850	860
Maui.....	1,020	1,030	1,010	1,020	1,010	1,010	1,010	990	1,020	1,010	1,030	1,060	1,020
Molokai 1/.....	20	20	20	20	20	20	20	20	30	20	20	20	20
Oahu.....	6,840	6,720	6,850	7,260	7,020	6,830	6,600	6,400	6,320	6,410	6,480	6,890	6,720
Kauai.....	460	470	480	460	470	460	450	470	460	460	460	460	460
Total.....	9,200	9,100	9,220	9,610	9,360	9,170	8,910	8,730	8,700	8,780	8,860	9,280	9,080

1/ DATA ROUNDED TO AVOID DISCLOSURE.

Table 16.--Number of Mature Dairy Cows, and Production and Value of Milk,
by Islands, 1949, 1948, and 1947

Island	Number of mature dairy cows, August 31			M i l k					
				Yearly production			Yearly value 1/		
	1949	1948	1947	1949	1948	1947	1949	1948	1947
				<u>1,000 quarts</u>			<u>1,000 dollars</u>		
Hawaii.....	850	840	840	2,558	2,557	2,349	491	486	352
Maui.....	990	1,100	1,210	2,759	3,048	3,167	530	579	475
Molokai.....	202/	202/	202/	73	68	58	2/	2/	2/
Oahu.....	6,400	7,100	8,080	25,031	24,371	25,421	4,681	4,460	4,322
Kauai.....	470	460	550	1,314	1,282	1,250	252	244	188
Territory									
1949.....	8,730			31,735			5,9702/		
1948.....		9,520			31,326			5,7802/	
1947.....			10,700			32,245			5,3452/

1/ DELIVERED BOTTLING PLANT.

2/ DATA DELETED OR ROUNDED TO AVOID DISCLOSURE.

Table 17.--Dairy Cattle and Calves Sold for Meat, 1949, with 1948 and 1947 Comparisons

Island	Number sold for meat	Dressed weight	Value at slaughterhouse		
			Dressed carcasses	Offal, hides and tallow	Total
		1,000 pounds	1,000 dollars	1,000 dollars	1,000 dollars
Hawaii.....	380	99	32	4	36
Maui.....	470	141	51	5	56
Molokai.....	-	-	-	-	-
Oahu.....	3,400	1,088	481	40	521
Kauai.....	180	37	13	1	14
Territory 1949.....	4,430	1,365	577	50	627
1948.....	6,010	1,567	587	74	661
1947.....	4,965	1,239	371	62	433

STATISTICS OF COMMERCIAL SWINE FARMS

(Farms with 10 or more swine of any age are classified as commercial)

Table 18.--Number of Commercial Swine Farms by Islands and Size of Herd, August 1949, with 1948 and 1947 Comparisons

Number of swine, all ages, per farm	Number of Farms					
	Hawaii	Maui	Molokai and Lanai	Oahu	Kauai	Territory
						1949 1948 1947
500 or over.....	-	-	1	2	-	3 11 7
300 to 499.....	-	1	-	8	-	9 20 25
100 to 299.....	19	3	1	91	5	119 147 140
10 to 99.....	50	65	28	168	39	350 312 315
Territory 1949.....	69	69	30	269	44	481
1948.....	83	65	22	273	47	490
1947.....	58	70	19	278	62	487

Table 19.--Number of Swine on Farms and Swine Marketings, by Islands, 1949 with 1948 and 1947 Comparisons

Island	Swine on farms on August 31			Swine slaughtered or marketed for slaughter during year			
	Number of swine of all ages	Number of hogs above weaning age	Number of suckling pigs	Number 1/	Total live weight	Average live weight per animal	Value delivered slaughterhouse
					1,000 pounds	Pounds	1,000 dollars
Hawaii.....	5,300	3,900	1,400	5,100	816	160	343
Maui.....	4,300	3,200	1,100	4,500	698	155	293
Molokai and Lanai.....	2,500	1,800	700	2,300	403	175	169
Oahu.....	37,800	27,200	10,600	30,000	5,100	170	2,142
Kauai.....	3,300	2,300	1,000	2,400	396	165	166
Territory 1949.....	53,200	38,400	14,800	44,300	7,413	167	3,113
1948.....	54,200	40,100	14,100	43,100	8,041	187	3,376
1947.....	53,900 2/	38,310 3/	15,600 4/	43,100	7,605	176	3,194

1/ FEEDERS IMPORTED FROM THE MAINLAND AND FATTENED ON TERRITORIAL FARMS ARE NOT INCLUDED.

2/ NUMBER OF SWINE 3 WEEKS OLD AND OVER.

3/ NUMBER OF SWINE 3 MONTHS OLD AND OVER.

4/ NUMBER OF PIGS 3 WEEKS TO 3 MONTHS OLD.

Table 20.--Miscellaneous Swine Statistics Based on August Survey, by Islands, 1949 with 1948 and 1947 Comparisons

Island	Number of hogs above weaning age kept for breeding purposes and grown for market in August			Number of farrowings and pigs born in August		
	Market hogs	Boars	Sows and gilts	Sows farrowed	Live pigs born	Average number of live pigs born per farrowing
Hawaii.....	2,880	110	940	120	830	6.9
Maui.....	2,620	70	560	140	840	6.0
Molokai and Lanai.....	1,340	60	400	80	550	6.9
Oahu.....	21,430	590	5,180	900	6,300	7.0
Kauai.....	1,760	60	450	100	720	7.2
Territory 1949.....	30,030	890	7,530	1,340	9,240	6.9
1948.....	31,500	920	7,730	1,220	8,380	7.0
1947.....	30,630	890	6,850	1,170	8,250	7.0

Table 21.--Number of Swine and Farrowings Classified by Size of Herd, Based on August 1949 Survey

Number of swine, all ages, per farm	Number of swine of all ages	Number of suckling pigs	Number of hogs above weaning age				Sows farrowed	Average number of live pigs born per farrowing
			Total	Sows and gilts	Boars	Market hogs		
500 or over.....	3,620	730	2,890	330	30	2,530	70	6.7
300 to 499.....	4,590	1,130	3,460	620	60	2,780	100	6.6
100 to 299.....	24,490	6,570	17,920	3,520	360	14,040	560	7.0
10 to 99.....	20,480	6,300	14,180	3,060	440	10,680	610	6.9
Territory.....	53,180	14,730	38,450	7,530	890	30,030	1,340	6.9

Table 22.--SHEEP STATISTICS, 1949, 1948, AND 1947

Year	Number of Ranches	Acreage Used for Pasture	Number of Head on Ranches End of Year	Number of Head Marketed during Year	Offal and Hides	Mutton		Wool		Total Value of Sheep Products
					Value 1/	Dressed weight	Value 1/	Produc- tion	Value 2/	
		<u>Acres</u>			<u>1,000 dollars</u>	<u>1,000 pounds</u>	<u>1,000 dollars</u>	<u>1,000 pounds</u>	<u>1,000 dollars</u>	<u>1,000 dollars</u>
1949	2	76,000 3/	13,500	2,080	2	104	31	72	36	69
1948	2	76,000 3/	13,100	2,750	3	135	31	75	32	66
1947	2	76,000 3/	14,500	1,050	1	52	10	66	26	37

1/ AT SLAUGHTERHOUSE.

2/ F.A.S. ISLAND PORT.

3/ 46,000 ACRES OF PASTURE LAND USED BOTH FOR SHEEP AND BEEF CATTLE.

STATISTICS OF COMMERCIAL POULTRY FARMS

(Farms with 100 or more layers or 100 or more meatbirds of all ages are classified as commercial)

Table 23.--Number of Commercial Poultry Farms in Territory, by Islands and Size of Flock,
August 1949, with 1948 and 1947 Comparisons

Size of flock	Hawaii	Maui	Molokai and Lanai	Oahu	Kauai	T e r r i t o r y		
						1949	1948	1947
<u>Number of layers</u> <u>on farm:</u>								
3,000 and over.....	-	3	-	9	-	12	11	15
1,500 to 2,999.....	3	2	-	15	1	21	22	34
500 to 1,499.....	19	8	1	75	4	107	101	134
100 to 499.....	144	24	4	89	16	277	342	494
<u>Number of meatbirds</u> <u>on farm:</u>								
100 and over.....	3	-	-	20	2	25	5	1/
Total 1949.....	169	37	5	208	23	440 2/		
1948.....	193	43	6	221	18		480 2/	
1947.....	265	48	7	328	29			675 2/

1/ INCLUDED IN 100-499 LAYER GROUP.

2/ ROUNDED TOTALS.

Table 24.--Production and Wholesale Value of Poultry Products,
by Islands, 1949, with 1948 and 1947 Comparisons 1/

Island	E g g s		M e a t b i r d s M a r k e t e d		
	Production	Wholesale value	Number	Live weight	Wholesale value
	1,000 dozens	1,000 dollars		1,000 pounds	1,000 dollars
Hawaii.....	611	556	83,000	320	200
Maui.....	462	434	49,700	190	118
Molokai and Lanai.....	18	17	3,000	12	7
Oahu.....	1,966	1,946	320,000	1,182	734
Kauai.....	116	110	16,000	61	38
Territory 1949.....	3,173	3,063	471,700	1,765	1,097
1948.....	3,290	3,305	359,000	1,357	884
1947.....	2,703	2,627	344,700	1,317	810

1/ INCLUDES EGGS AND MEATBIRDS CONSUMED AT HOME.

Table 25.--Number of Chickens of All Ages, by Islands, 1949, with 1948 and 1947 Comparisons 1/

Island	Feb.	Apr.	Jun.	Aug.	Oct.	Dec.
Hawaii.....	95,000	112,300	104,700	88,600	81,700	79,000
Maui.....	65,400	69,400	63,200	53,700	52,900	49,700
Molokai and Lanai.....	3,500	3,200	3,000	2,200	2,200	2,400
Oahu.....	338,400	381,500	341,900	407,800	399,400	353,100
Kauai.....	23,200	21,300	18,600	27,400	22,500	23,500
Territory 1949.....	525,500	587,700	531,400	579,700	558,700	507,700
1948.....	486,500	497,900	507,800	461,400	394,300	390,200
1947.....	528,700	652,600	606,700	550,700	510,500	497,400

1/ INCLUDES COCKERELS AND ROOSTERS.

Table 26.--Number of Layers by Months and Islands, 1949, with 1948 and 1947 Comparisons

Island	Feb.	Apr.	Jun.	Aug.	Oct.	Dec.
Hawaii.....	48,000	43,600	44,000	50,000	55,000	50,500
Maui.....	30,800	30,400	27,200	32,600	33,900	31,000
Molokai and Lanai.....	1,800	1,700	1,600	1,600	1,500	1,500
Oahu.....	153,300	154,000	150,000	159,700	174,000	160,000
Kauai.....	8,500	8,000	9,300	9,300	9,400	10,000
Territory 1949.....	242,400	237,700	232,100	253,200	273,800	253,000
1948.....	262,200	245,700	241,800	243,700	229,100	211,500
1947.....	252,800	233,200	232,200	286,000	290,200	289,100

Table 27.--Number of Pullets 6 Weeks to Laying Age, by Months and Islands, 1949,
with 1948 and 1947 Comparisons

Island	Feb.	Apr.	Jun.	Aug.	Oct.	Dec.
Hawaii	4,400	18,600	32,400	21,700	11,100	10,000
Maui	8,000	14,000	19,200	12,100	7,800	6,500
Molokai and Lanai	500	600	600	400	500	400
Oahu	72,000	91,300	110,000	91,900	75,300	90,000
Kauai	8,500	6,900	4,300	7,600	6,000	5,000
Territory 1949	93,400	131,400	166,500	133,700	100,700	111,900
1948	70,300	112,600	134,100	103,600	75,700	86,700
1947	73,800	183,500	217,100	142,100	101,700	79,400

Table 28.--Number of Baby Chicks up to 6 Weeks Old, by Months and Islands, 1949,
with 1948 and 1947 Comparisons

Island	Feb.	Apr.	Jun.	Aug.	Oct.	Dec.
Hawaii	32,400	38,000	17,000	9,800	6,800	10,000
Maui	19,500	17,500	10,000	6,100	5,500	6,800
Molokai and Lanai	800	600	500	-	-	200
Oahu	76,600	95,000	45,000	106,400	107,000	65,000
Kauai	3,700	4,100	3,000	7,700	4,700	6,000
Territory 1949	133,000	155,200	75,500	130,000	124,000	88,000
1948	106,900	91,400	82,600	69,400	51,300	54,100
1947	151,000	172,800	98,800	69,400	69,300	80,800

Table 29.--Egg Production by Months and Islands, 1949 with 1948 and 1947 Comparisons

Island	Feb.	Apr.	Jun.	Aug.	Oct.	Dec.
	<u>Dozens</u>					
Hawaii	57,700	55,000	47,300	42,000	43,400	51,500
Maui	41,400	41,700	33,900	35,800	38,500	38,000
Molokai and Lanai	1,800	1,700	1,400	1,300	1,200	1,300
Oahu	175,000	185,000	165,800	166,800	148,400	155,000
Kauai	9,600	9,500	9,800	9,800	10,000	9,600
Territory 1949	285,500	292,900	258,200	255,700	241,500	255,400
1948	331,200	330,000	290,800	252,200	219,100	212,800
1947	236,300	256,800	214,900	212,300	207,000	217,200

Table 30.--Eggs Laid per Layer per Month and Total for 1949 by Islands, with 1948 and 1947 Comparisons

Island	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total for year	Average per month
	<u>Number of eggs</u>													
Hawaii	14.0	14.4	15.7	15.1	14.7	12.9	12.6	10.1	9.8	9.5	10.8	12.2	151.8	12.7
Maui	14.6	16.1	18.0	16.5	15.4	15.0	13.8	13.2	13.4	13.6	12.4	14.7	176.7	14.7
Molokai and Lanai 1/	-	12.0	-	12.0	-	10.5	-	9.7	-	9.6	-	10.4	128.4	10.7
Oahu	12.3	13.7	14.6	14.4	13.5	13.3	12.6	12.5	11.7	10.2	10.5	11.6	150.9	12.6
Kauai 1/	-	13.5	-	14.3	-	12.6	-	12.6	-	12.7	-	11.5	154.4	12.9
Territory														
1949	12.9	14.1	15.2	14.8	14.0	13.3	12.7	12.1	11.6	10.6	10.8	12.1	154.2	12.9
1948	13.4	15.2	16.8	16.1	14.8	14.4	13.1	12.4	11.8	11.5	11.1	12.1	162.7	13.6
1947	10.0	11.2	13.6	13.2	12.3	11.1	10.7	8.9	8.6	8.6	8.1	9.0	125.3	10.4

1/ RATE OF LAY IN ODD MONTHS NOT REPORTED. ESTIMATES OF RATE OF LAY IN ODD MONTHS WERE USED IN CALCULATING YEARLY AND TERRITORIAL RATES OF LAY.

Table 31.--Miscellaneous Poultry Statistics, 1949, with 1948 and 1947 Comparisons

Island	Average number of layers and egg production in 1949				August 1949 survey statistics					
	Average number of layers in 1949		Average monthly egg production in 1949		Layers of all ages on farms ^{1/}	Pullets, laying age to 18 months ^{1/}	Male birds on farms ^{1/} ^{2/}	Eggs used on farms or given away ^{3/}		
								Average per farm		
	Number	Percent ^{4/}	Dozens	Percent ^{4/}	Number	Number	Percent ^{5/}	Number	Dozens	Dozens
Hawaii	48,800	19.7	50,900	19.2	50,000	29,800	59.6	7,100	2,330	13.8
Maui	31,400	12.7	38,500	14.6	32,600	17,300	53.1	2,900	1,170	31.6
Molokai and Lanai	1,600	0.6	1,500	0.6	1,600	900	56.2	200	80	16.0
Oahu	156,800	63.3	163,900	62.0	159,700	104,400	65.4	49,800	4,690	22.5
Kauai	9,100	3.7	9,600	3.6	9,300	5,000	53.7	2,800	430	18.7
Territory 1949	247,700	100.0	264,400	100.0	253,200	157,400	62.2	62,800	8,700	19.8
1948	241,600	100.0	274,200	100.0	243,700	110,300	45.3	44,800	9,010	18.7
1947	262,300	100.0	225,300	100.0	286,000	135,000	47.2	82,700	13,910	20.5

^{1/} AUGUST 31, 1949.^{2/} INCLUDE ROOSTERS AND COCKERELS 6 WEEKS OLD OR OVER.^{3/} MONTH OF AUGUST 1949.^{4/} PERCENTAGE OF TERRITORIAL TOTAL.^{5/} PULLETS LAYING AGE TO 18 MONTHS AS PERCENTAGE OF BIRDS OF ALL AGES IN LAYING FLOCK.Table 32.--Number of Chickens and Production of Poultry Products
By Size of Flock, August 1949

Size of flock	Chickens of all ages and sexes ^{1/}	Layers ^{1/}	Pullets six weeks to laying age ^{1/}	Baby chicks up to 6 weeks old ^{1/}	Male birds ^{1/} ^{2/}	Eggs produced ^{3/}	Poultry meat produced ^{3/}
	Number	Number	Number	Number	Number	Dozens	Pounds, liveweight
<u>Number of layers on farm:</u>							
3,000 and over	117,100	67,800	24,100	13,900	11,300	68,400	26,000
1,500 to 2,999	95,200	40,600	25,300	24,300	5,000	41,700	14,800
599 to 1,499	191,900	87,300	47,900	39,300	17,400	92,600	61,600
100 to 499	109,700	55,000	26,500	20,100	8,100	51,100	33,200
<u>Number of meatbirds on farm:</u>							
100 and over	65,800	2,500	9,900	32,400	21,000	2,000	46,500
Territory	579,700	253,200	133,700	130,000	62,800	255,800	182,100

^{1/} AUGUST 31, 1949.^{2/} INCLUDES COCKERELS 6 WEEKS OLD OR OVER, AND ROOSTERS.^{3/} MONTH OF AUGUST, 1949.

Table 33.--STATISTICS OF HONEY AND BEESWAX, 1949, WITH 1948 AND 1947 COMPARISONS

Island	Honey Producers	Apiaries	Colonies	Honey		Beeswax		Honey and Beeswax	
				Yield per colony	Total yield ^{1/}	Value ^{2/}	Total yield	Value ^{2/}	Value
	<u>Number</u>	<u>Number</u>	<u>Number</u>	<u>Pounds</u>	<u>1,000 pounds</u>	<u>1,000 dollars</u>	<u>1,000 pounds</u>	<u>1,000 dollars</u>	<u>1,000 dollars</u>
Hawaii.....	3	4	660	232	153	11.5	3.1	1.2	13
Maui.....	9	11	1,600	104	167	12.5	3.1	1.2	13
Molokai and Lanai.....	2	3/	3/	45	17	1.3	0.6	0.2	2
Oahu.....	7	13	1,860	41	77	5.8	1.1	0.4	6
Kauai and Niihau.....	2	3/	3/	82	324	24.3	3.8	1.4	26
Territory 1949.....	23	303/	8,5003/	87	738	55.4	11.7	4.4	60
1948.....	29	50	9,000	72	652	52.1	11.9	5.1	56
1947.....	30	54	8,700	87	758	113.7	15.0	6.6	120

^{1/} EXTRACTED IN 5-GALLON CANS.^{2/} 1949 HONEY VALUED AT 7.5 CENTS PER POUND; BEESWAX AT 38.0 CENTS, F.A.S. ISLAND PORT.^{3/} DATA DELETED OR ROUNDED TO AVOID DISCLOSURE.

STATISTICS OF FRUITS, VEGETABLES, AND MISCELLANEOUS CROPS
Table 34.--Average Yield Per Acre of Specified Crops, 1949, 1948, and 1947

Commodity	Territory			Hawaii			Maui			Molokai			Oahu			Kauai		
	1949	1948	1947	1949	1948	1947	1949	1948	1947	1949	1948	1947	1949	1948	1947	1949	1948	1947
	1,000 pounds			1,000 pounds			1,000 pounds			1,000 pounds			1,000 pounds			1,000 pounds		
Fruits																		
Avocados	4.6	4.8	4.1	5.8	6.4	5.9	5.0	4.7	5.3	-	-	-	1.3	1.2	1.5	6.7	6.7	7.5
Bananas 1/	6.0	9.5	9.5	11.3	11.1	10.5	6.5	6.6	7.4	7.5	10.0	6.7	5.7	9.6	9.7	10.8	6.9	5.0
Oranges	-	-	-	16.0	-	13.8	-	-	-	-	-	-	-	-	-	-	-	-
Papayas	11.2	13.0	12.7	13.6	14.9	17.4	8.4	6.5	8.6	12.5	7.5	9.0	11.1	13.2	12.6	10.0	10.0	10.0
Tangerines	-	-	-	12.3	10.5	8.3	-	-	-	-	-	-	-	-	-	-	-	-
Vegetables																		
Beans, snap	6.8	7.0	7.6	9.5	7.8	9.5	6.0	6.5	6.0	6.7	6.7	8.0	6.1	6.5	7.2	9.0	8.3	8.2
Beets	12.7	12.3	12.2	13.3	13.3	12.1	15.0	15.0	15.0	-	-	-	11.7	10.8	10.8	-	-	-
Broccoli	4.3	4.7	4.3	4.6	4.6	4.6	5.3	7.5	5.6	-	-	-	3.6	3.8	3.6	-	-	-
Cabbage, head	13.3	13.6	12.5	16.2	14.4	12.9	12.5	13.6	12.3	-	-	-	13.2	13.8	12.6	10.0	8.9	9.8
Cabbage, oriental	9.0	9.8	9.3	12.0	10.4	7.4	9.3	11.3	11.2	-	-	-	8.1	9.0	10.1	8.3	8.3	8.1
Carrots	9.6	10.3	11.1	8.8	8.7	10.9	9.9	11.3	11.7	-	-	-	12.0	13.3	10.8	8.3	8.8	8.3
Cauliflower	6.4	6.6	7.0	5.0	5.0	4.1	6.7	7.0	8.2	-	-	-	5.7	7.1	6.8	-	-	-
Celery	35.4	31.2	40.9	42.2	35.0	46.3	20.0	20.0	26.0	-	-	-	20.0	25.0	37.5	-	-	-
Corn, green	4.2	4.5	4.4	4.4	4.8	5.0	3.4	4.3	4.5	-	-	-	4.2	4.3	4.2	6.5	5.8	4.8
Cucumbers	8.1	8.0	7.3	12.7	9.9	7.8	5.2	6.9	6.9	-	-	-	6.0	5.7	6.4	9.0	8.8	7.9
Daikon	14.1	12.9	13.8	14.2	12.0	12.5	13.5	15.9	18.2	-	-	-	14.2	15.2	15.7	10.0	12.5	-
Dasheens	10.3	10.7	9.1	13.3	11.7	10.0	10.0	13.3	10.0	-	-	-	5.8	7.5	5.7	11.7	11.7	15.8
Eggplant	14.8	13.4	12.6	12.0	11.4	11.3	12.5	13.3	12.0	13.3	12.5	9.5	16.7	14.3	14.8	10.0	12.0	12.5
Lettuce	10.0	9.2	8.9	9.7	9.3	8.8	6.9	6.5	7.1	-	-	-	13.3	10.9	10.5	6.3	6.3	-
Lotus root	-	-	-	-	-	-	-	-	-	-	-	-	6.4	6.3	9.0	-	-	-
Onions, dry	-	-	-	-	-	-	10.8	7.1	7.8	-	-	-	-	-	-	-	-	-
Onions, green	14.1	14.7	14.4	15.0	15.0	13.8	20.0	16.7	20.0	-	-	-	13.7	14.6	14.2	12.5	12.0	-
Peas (all types)	2.7	2.8	2.5	3.8	3.0	3.9	2.7	3.0	2.5	-	-	-	2.5	2.5	1.8	-	-	-
Peppers, sweet	6.9	6.6	6.2	8.7	7.1	6.5	4.5	6.7	5.7	-	-	-	7.2	5.6	6.1	7.5	7.1	6.2
Potatoes	5.5	5.8	6.0	5.0	6.8	8.0	5.4	5.5	5.6	7.5	5.7	5.0	7.5	-	-	-	-	-
Pumpkins	9.8	8.7	8.0	10.0	10.0	9.3	10.0	8.6	7.8	-	-	-	8.6	7.5	8.3	-	-	-
Rhubarb	-	-	-	17.5	15.0	15.0	-	-	-	-	-	-	-	-	-	-	-	-
Squash, summer and Italian	-	-	-	12.0	11.4	11.0	-	-	-	-	-	-	-	-	-	-	-	-

Table 34--Continued

Commodity	Territory			Hawaii			Maui			Molokai			Oahu			Kauai		
	1949	1948	1947	1949	1948	1947	1949	1948	1947	1949	1948	1947	1949	1948	1947	1949	1948	1947
	<u>1,000 pounds</u>			<u>1,000 pounds</u>			<u>1,000 pounds</u>			<u>1,000 pounds</u>			<u>1,000 pounds</u>			<u>1,000 pounds</u>		
<u>Vegetables--Contd.</u>																		
Sweetpotatoes	6.8	7.9	5.8	9.8	11.3	11.9	6.4	9.0	8.9	6.3	6.3	5.0	5.6	5.4	2/	10.0	8.8	2/
Taro (for mfr.)	14.7	14.0	13.5	13.2	11.1	11.2	14.9	19.2	20.7	10.3	10.0	13.6	14.3	13.9	12.7	18.3	15.9	16.3
Tomatoes	10.0	9.8	10.2	13.6	11.8	11.6	9.5	9.0	10.0	8.3	8.3	9.0	8.9	9.3	9.5	12.3	11.8	10.4
Watercress	49.3	51.1	53.8	40.0	35.0	40.0	40.0	40.0	40.0	-	-	-	54.2	57.3	56.8	-	-	-
Watermelons	6.0	6.1	6.0	6.9	6.6	5.6	6.7	7.3	5.6	2.5	3.3	3.0	5.5	5.6	6.1	10.7	10.7	8.3
<u>Misc. crops</u>																		
Coffee, green	-	-	-	1.4	1.7	2.0	-	-	-	-	-	-	-	-	-	-	-	-
Corn, field 3/	0.9	1.1	1.1	0.9	1.0	1.1	1.3	1.5	0.9	0.9	0.74/	0.74/	-	-	-	0.8	0.94/	0.94/
Macadamia nuts 5/	0.8	0.94/	0.8	0.8	0.9	1.0	1.4	1.34/	1.34/	-	-	-	0.4	0.3	0.3	1.5	1.34/	0.64/
Peanuts	-	-	-	1.9	1.4	1.7	-	-	-	-	-	-	-	-	-	-	-	-
Rice, milled	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	3.4	4.1

1/ COOKING BANANAS NOT INCLUDED. 2/ PART OF CROP NOT HARVESTED. 3/ SHELLED. 4/ REVISED ESTIMATES. 5/ UNSHELLED, BASED ON BEARING ACREAGE.

Table 35.--Average 1949 Wholesale Prices of Fruits, Vegetables, and Miscellaneous Crops 1/

Commodity	Hawaii	Maui	Molokai	Oahu	Kauai
	<u>Cents per pound</u>				
<u>Fruits</u>					
Avocados	9.5	10.5	-	12.6	9.5
Bananas	6.5	6.8	6.8	8.3	6.8
Bananas, cooking	11.5	11.5	-	-	-
Mangos, cultivated	20.0	20.0	-	23.0	20.0
Oranges	7.0	-	-	-	-
Papayas	6.8	6.8	6.8	7.0	6.8
Tangerines	10.0	-	-	-	-
<u>Vegetables</u>					
Beans, snap	12.8	12.8	12.8	15.1	12.8

Table 35--Continued

Commodity	Hawaii	Maui	Molokai	Oahu	Kauai
	<u>Cents per pound</u>				
<u>Vegetables--Contd.</u>					
Beets.....	4.5	4.5	-	5.0	-
Broccoli.....	15.5	15.5	-	17.7	-
Burdock.....	22.5	22.5	-	25.2	-
Cabbage, head.....	4.8	4.8	4.8	6.2	4.8
Cabbage, oriental.....	9.5	9.5	-	11.4	10.0
Carrots.....	7.4	7.4	7.4	9.6	7.8
Cauliflower.....	17.2	17.2	-	18.8	-
Celery.....	20.5	20.5	-	22.6	-
Corn, green.....	5.8	5.8	5.8	7.1	5.8
Cucumbers.....	10.5	10.5	10.5	12.6	10.5
Daikon.....	4.4	4.4	-	5.2	4.4
Dasheens.....	16.0	16.0	-	20.0	16.0
Eggplant, long.....	9.8	9.8	9.8	10.2	9.8
Eggplant, round.....	7.4	-	-	8.3	-
Ginger root.....	18.0	18.0	-	-	18.0
Lettuce.....	12.0	12.0	-	13.0	12.0
Lotus root.....	-	22.0	-	25.0	-
Onions, dry.....	-	12.0	-	-	-
Onions, green.....	10.0	10.0	-	11.0	10.0
Peas (all types).....	53.5	53.5	-	54.0	-
Peppers, sweet.....	24.0	24.0	-	26.0	24.0
Potatoes.....	7.5	7.5	7.5	8.0	-
Pumpkins.....	7.5	7.5	-	9.0	-
Rhubarb.....	8.0	-	-	-	-
Squash, summer and Italian.....	12.0	-	-	-	-
Squash, miscellaneous.....	6.0	6.0	-	7.5	-
Sweetpotatoes.....	8.5	8.5	8.5	10.0	8.5
Taro (for mfr.).....	4.6	3.0	3.0	2.7	3.0
Tomatoes.....	12.8	12.8	12.8	14.2	12.8
Watercress.....	11.5	11.5	-	12.5	11.5
Watermelons.....	7.5	7.5	7.5	10.4	7.5
Yam bean root.....	13.0	-	-	14.5	12.8
<u>Miscellaneous crops</u>					
Beans, dry.....	-	20.0	-	-	-

Table 35--Continued

Commodity	Hawaii	Maui	Molokai	Oahu	Kauai
	<u>Cents per pound</u>				
<u>Miscellaneous crops--Contd.</u>					
Coffee, green	26.5	-	-	-	-
Corn, field (shelled)	7.0	6.5	6.5	-	6.0
Macadamia nuts ^{2/}	17.0	17.0	-	17.0	16.5
Peanuts, unshelled	25.0	-	-	-	-
Rice, milled	-	-	-	-	19.7

1/ WEIGHTED FOR VOLUME AND GRADE ON OAHU; ESTIMATED AVERAGES FOR OTHER ISLANDS.

2/ UNSHELLED.

Table 36.--Acreage, Production, and Wholesale Value of Hawaiian Diversified Crops, 1949, 1948, and 1947 ^{1/}

Commodity	Acreage			Production			Value		
	1949	1948	1947	1949	1948	1947	1949	1948	1947
	<u>Acres</u>			<u>1,000 pounds</u>			<u>1,000 dollars</u>		
<u>Fruits ^{2/}</u>									
Avocados	217	220	266	980	1,055	1,075	96	106	103
Bananas ^{3/}	1,012	1,015	1,008	6,115	9,510	9,475	496	605	648
Mangos, cultivated	240	237	231	300	120	100	61	28	21
Oranges	25	25	25	400	500 ^{4/}	345	36	43 ^{4/}	10
Papayas	527	547	441	5,885	7,100	5,525	403	359	346
Tangerines	22	21	18	270	220 ^{4/}	150	27	39 ^{4/}	23
Total fruits	2,043	2,065	1,989	13,950	18,505	16,670	1,119	1,180	1,151
<u>Vegetables</u>									
Beans, snap	288	334	300	1,955	2,325	2,275	275	379	294
Beets ^{5/}	11	11	16	140	135	195	7	6	8
Broccoli	74	47	64	315	220	275	51	35	41
Burdock	51	50	47	570	640	545	130	192	153
Cabbage, head	555	687	736	7,385	9,335	9,165	362	453	386
Cabbage, oriental	316	316	286	2,850	3,110	2,665	300	339	237
Carrots ^{5/}	213	194	227	2,035	1,995	2,520	155	215	142
Cauliflower	56	47	76	360	310	530	63	48	65
Celery	13	17	22	460	530	900	95	70	101
Corn, green	296	296	329	1,240	1,165	1,290	83	89	86
Cucumbers	391	422	431	3,170	3,360	3,125	351	419	431
Daikon ^{5/}	272	294	223	3,835	3,795	3,080	175	178	132

Table 36--Continued

Commodity	Acreage			Production			Value		
	1949	1948	1947	1949	1948	1947	1949	1948	1947
	<u>Acres</u>			<u>1,000 pounds</u>			<u>1,000 dollars</u>		
Vegetables--Contd.									
Dasheens	37	37	62	380	395	565	63	62	65
Eggplant	50	58	56	740	780	705	73	79	50
Ginger root	18	27	29	690	765	870	124	137	154
Lettuce	344	314	313	3,425	2,875	2,785	419	374	263
Lotus root	48	44	43	315	280	385	78	74	108
Onions, dry	30	66	72	325	470	560	39	38	28
Onions, green	44	52	62	620	765	890	68	107	114
Peas (all types)	37	29	40	100	80	100	54	38	51
Peppers, sweet	97	59	76	670	390	470	169	119	94
Potatoes	64	89	73	355	520	440	26	34	22
Pumpkins	41	31	53	400	270	425	31	21	22
Rhubarb	2	2	6	35	30	90	3	3	2
Squash, summer and Italian	25	22	24	300	250	265	36	38	29
Squash, miscellaneous	28	35	36	360	360	350	25	28	19
Sweetpotatoes	211	152	319	1,445	1,200	1,855	134	100	87
Taro (for mfr.)	944	1,015	930	13,900	14,195	12,615	437	697	814
Tomatoes	601	541	486	6,005	5,300	4,950	796	824	543
Watercress	30	28	26	1,480	1,430	1,400	184	178	174
Watermelons	839	849	703	5,005	5,185	4,195	469	644	589
Yam bean root	21	26	18	265	230	240	35	29	20
Total vegetables	6,047	6,191	6,184	61,130	62,690	60,720	5,310	6,047	5,324
Total fruits and vegetables	8,090	8,256	8,173	75,080	81,195	77,390	6,429	7,227	6,475
Miscellaneous crops									
Beans, dry	10	17	12	15	25	20	3	5	4
Coffee, green ^{6/}	3,500	3,500	3,500	5,900	6,990	6,900	1,569	1,825	1,746
Corn, shelled	860	700	927	795	735	965	54	28	49
Macadamia nuts, unshelled:									
Bearing	808	808	808	680	700	680	115	119	117
Non-bearing	509	358	214	-	-	-	-	-	-
Peanuts, unshelled	8	11	14	15	15	15	4	4	3
Rice, milled	210	163	217	725	555	890	143	157	167
Total miscellaneous crops	5,905	5,557	5,692	8,130	9,020	9,470	1,888	2,138	2,086
Total diversified crops	13,995	13,813	13,865	83,210	90,215	86,770	8,317	9,365	8,561

1/ ACREAGE FOR SHORT-TERM CROPS CONSISTS OF PLANTINGS THAT WOULD NORMALLY BE HARVESTED IN 1949. ACREAGE OF TREE AND LONG-TERM CROPS (EXCEPT MACADAMIA NUTS) IS AVERAGE ACREAGE DURING THE YEAR. MACADAMIA NUT ACREAGE IS ACREAGE AT THE END OF YEAR. PRODUCTION IS CALCULATED FROM RECORDED MARKETINGS, WITH ADJUSTMENTS FOR DIRECT SALES TO RETAILERS OR CONSUMERS BY FARMERS AND FOR LOSSES RESULTING FROM LACK OF MARKET. VALUE IS CALCULATED AT AVERAGE WHOLESALE PRICES OF MARKETINGS ON THE ISLAND OF ORIGIN. 2/ PINEAPPLES ARE NOT INCLUDED. 3/ INCLUDING COOKING BANANAS. 4/ INCLUDES PRODUCTION FROM SOME NON-COMMERCIAL ACREAGE. 5/ WITH TOPS ON OAHU, TOPPED ON OTHER ISLANDS. 6/ CROP YEAR ENDING JUNE 30 OF YEAR GIVEN.

TABLE 37.—ACREAGE, PRODUCTION, AND WHOLESALE VALUE OF HAWAIIAN DIVERSIFIED CROPS, BY ISLAND OF ORIGIN,
1949 WITH 1948 AND 1947 COMPARISONS 1/

COMMODITY	HAWAII			MAUI			MOLOKAI			OAHU			KAUAI		
	ACREAGE	PRODUC- TION	VALUE	ACREAGE	PRODUC- TION	VALUE	ACREAGE	PRODUC- TION	VALUE	ACREAGE	PRODUC- TION	VALUE	ACREAGE	PRODUC- TION	VALUE
		1,000 POUNDS	1,000 DOLLARS		1,000 POUNDS	1,000 DOLLARS		1,000 POUNDS	1,000 DOLLARS		1,000 POUNDS	1,000 DOLLARS		1,000 POUNDS	1,000 DOLLARS
FRUITS															
AVOCADOS.....	133	775	74.0	18	90	9.0	"	"	"	60	75	9.0	6	40	4.0
BANANAS.....	42	475	31.0	58	375	26.0	2	15	1.0	880	5,000	415.0	13	140	10.0
BANANAS, COOKING.....	16	100	12.0	1	10	1.0	"	"	"	"	"	"	"	"	"
MANGOS, CULTIVATED.....	5	30	6.0	125	210	42.0	80	"	"	27	40	9.0	3	20	4.0
ORANGES.....	25	400	36.0	"	"	"	"	"	"	"	"	"	"	"	"
PAPAYAS.....	39	530	28.0	19	160	11.0	2	25	2.0	460	5,100	357.0	7	70	5.0
TANGERINES.....	22	270	27.0	"	"	"	"	"	"	"	"	"	"	"	"
TOTAL FRUITS 1949.....	282	2,580	214.0	221	845	89.0	84	40	3.0	1,427	10,215	790.0	29	270	29.0
1948.....	284	2,735	231.0	220	655	47.0	86	35	2.0	1,446	14,880	888.0	29	200	12.0
1947.....	267	2,245	159.0	204	605	48.0	88	38	2.0	1,407	13,650	934.0	23	130	8.0
VEGETABLES															
BEANS, SNAP.....	40	380	49.0	50	300	38.0	3	20	3.0	175	1,075	162.0	20	180	23.0
BEETS 2/.....	3	40	2.0	2	30	1.0	"	"	"	6	70	4.0	"	"	"
BROCCOLI.....	24	110	17.0	15	80	12.0	"	"	"	35	125	22.0	"	"	"
BURDOCK.....	40	500	113.0	10	60	14.0	"	"	"	1	10	3.0	"	"	"
CABBAGE, HEAD.....	125	2,020	97.0	370	4,630	222.0	2	15	1.0	38	500	31.0	20	220	11.0
CABBAGE, ORIENTAL.....	50	600	57.0	75	700	67.0	"	"	"	185	1,500	171.0	6	50	5.0
CARROTS 2/.....	80	700	52.0	110	1,090	81.0	2	15	1.0	15	180	17.0	6	50	4.0
CAULIFLOWER.....	4	20	3.0	45	300	52.0	"	"	"	7	40	8.0	"	"	"
CELERY.....	9	380	78.0	2	40	8.0	"	"	"	2	40	9.0	"	"	"
CORN, GREEN.....	18	80	5.0	70	240	14.0	3	10	1.0	185	780	55.0	20	130	8.0
CUCUMBERS.....	120	1,520	160.0	90	470	49.0	1	10	1.0	150	900	113.0	30	270	28.0
DAIKON 2/.....	190	2,700	119.0	24	325	14.0	"	"	"	55	780	41.0	3	30	1.0
DASHEENS.....	15	200	32.0	4	40	6.0	"	"	"	12	70	14.0	6	70	11.0
EGGPLANT.....	5	60	6.0	4	50	5.0	6	80	8.0	30	500	49.0	5	50	5.0
GINGER ROOT.....	14	590	106.0	3	50	9.0	"	"	"	"	"	"	"	50	9.0
LETTUCE.....	250	2,430	292.0	35	240	29.0	"	"	"	55	790	95.0	4	25	3.0
LOTUS ROOT.....	"	"	"	1	15	3.0	"	"	"	47	300	75.0	"	"	"
ONIONS, DRY.....	"	"	"	30	325	39.0	"	"	"	"	"	"	"	"	"
ONIONS, GREEN.....	5	75	8.0	2	40	4.0	"	"	"	35	480	53.0	2	25	3.0
PEAS (ALL TYPES).....	4	15	6.0	13	35	19.0	"	"	"	20	50	27.0	"	"	"
PEPPERS, SWEET.....	15	130	31.0	20	90	22.0	"	"	"	50	360	94.0	12	90	22.0
POTATOES.....	8	40	3.0	50	270	20.0	2	15	1.0	4	30	2.0	"	"	"
PUMPKINS.....	14	140	11.0	20	200	15.0	"	"	"	7	60	5.0	"	"	"
RHUBARB.....	2	35	3.0	"	"	"	"	"	"	"	"	"	"	"	"
SQUASH, SUM. & ITALIAN.....	25	300	36.0	"	"	"	"	"	"	"	"	"	"	"	"
SQUASH, MISC.....	10	110	7.0	2	20	1.0	"	"	"	16	230	17.0	"	"	"
SWEET POTATOES.....	42	410	95.0	25	160	14.0	4	25	2.0	125	700	70.0	15	150	13.0
TARO (FOR MFR.).....	190	2,500	115.0	85	1,270	38.0	32	330	10.0	462	6,600	178.0	175	3,280	96.0

CONTINUED

TABLE 37--CONTINUED

COMMODITY	HAWAII			MAUI			MOLOKAI			OAHU			KAUAI		
	ACREAGE	PRODUC-	VALUE	ACREAGE	PRODUC-	VALUE	ACREAGE	PRODUC-	VALUE	ACREAGE	PRODUC-	VALUE	ACREAGE	PRODUC-	VALUE
		TION			TION			TION			TION			TION	
		1,000 POUNDS	1,000 DOLLARS		1,000 POUNDS	1,000 DOLLARS		1,000 POUNDS	1,000 DOLLARS		1,000 POUNDS	1,000 DOLLARS		1,000 POUNDS	1,000 DOLLARS
VEGETABLES--CONTD.															
TOMATOES	55	750	96.0	245	2,325	298.0	6	50	6.0	220	1,960	278.0	75	920	118.0
WATERCRESS	2	80	9.0	1	40	5.0	-	-	-	24	1,300	163.0	3	60	7.0
WATERMELONS	65	450	94.0	150	1,000	75.0	4	10	1.0	590	3,225	335.0	30	320	24.0
YAM BEAN ROOT	2	50	7.0	-	-	-	-	-	-	7	65	9.0	12	150	19.0
TOTAL VEGETABLES 1949	1,426	17,415	1,591.0	1,559	14,435	1,174.0	65	580	35.0	2,558	22,660	2,100.0	445	6,040	410.0
1948	1,667	18,345	1,833.0	1,500	15,695	1,295.0	102	540	43.0	2,398	21,795	2,357.0	524	6,315	519.0
1947	1,985	20,990	1,756.0	1,317	13,325	969.0	95	520	37.0	2,336	20,790	2,154.0	451	5,155	408.0
TOTAL FRUITS AND VEGETABLES 1949	1,708	19,995	1,805.0	1,774	15,280	1,263.0	149	620	38.0	3,985	32,875	2,890.0	474	6,310	433.0
1948	1,951	21,080	2,064.0	1,720	16,350	1,342.0	188	575	45.0	3,844	36,675	3,245.0	553	6,515	531.0
1947	2,252	23,175	1,915.0	1,521	13,930	1,017.0	189	558	39.0	3,743	34,440	3,088.0	474	5,285	416.0
MISCELLANEOUS CROPS															
BEANS, DRY	-	-	-	10	15	3.0	-	-	-	-	-	-	-	-	-
COFFEE, GREEN 3/	3,500	5,900	1,569.0	-	-	-	-	-	-	-	-	-	-	-	-
CORN, FIELD (SHELLED)	570	500	35.0	120	160	10.0	70	60	4.0	-	-	-	100	75	5.0
MACADAMIA NUTS, UNSHELLED:															
BEARING	600	500	85.0	14	20	3.0	2	-	-	114	40	7.0	78	120	20.0
NON-BEARING	291	-	-	59	-	-	-	-	-	-	-	-	159	-	-
PEANUTS, UNSHELLED	8	15	4.0	-	-	-	-	-	-	-	-	-	-	-	-
RICE, MILLED	-	-	-	-	-	-	-	-	-	-	-	-	210	725	143.0
TOTAL MISCELLANEOUS CROPS 1949	4,969	6,915	1,699.0	203	195	16.0	72	60	4.0	114	40	7.0	547	920	168.0
1948	4,701	8,030	1,941.0	123	195	14.0	72	50	2.0	123	30	5.0	460	715	176.0
1947	4,784	8,203	1,889.0	187	190	16.0	72	50	3.0	114	30	5.0	423	999	179.0
TOTAL DIVERSIFIED CROPS 1949	6,677	26,910	3,498.0	1,982	15,475	1,279.0	221	680	42.0	4,099	32,915	2,897.0	1,021	7,230	601.0
1948	6,652	28,020	4,005.0	1,843	16,545	1,356.0	260	625	47.0	3,967	36,705	3,250.0	1,013	7,230	707.0
1947	7,036	31,468	3,798.0	1,708	14,120	1,033.0	255	608	42.0	3,857	34,470	3,099.0	897	6,284	595.0

1/ ACREAGE FOR SHORT-TERM CROPS CONSISTS OF PLANTINGS THAT WOULD NORMALLY BE HARVESTED IN 1949. ACREAGE OF TREE AND LONG-TERM CROPS (EXCEPT MACADAMIA NUTS) IS AVERAGE ACREAGE DURING THE YEAR. MACADAMIA NUT ACREAGE IS ACREAGE AT THE END OF YEAR. PRODUCTION IS CALCULATED FROM RECORDED MARKETINGS, WITH ADJUSTMENTS FOR DIRECT SALES TO RETAILERS OR CONSUMERS BY FARMERS AND FOR LOSSES RESULTING FROM LACK OF MARKET. VALUE IS CALCULATED AT AVERAGE WHOLESALE PRICES OF MARKETINGS ON THE ISLAND OF ORIGIN. NO VALUE HAS BEEN INCLUDED FOR CROPS LOST FROM LACK OF MARKET.

2/ WITH TOPS ON OAHU, TOPPED ON OTHER ISLANDS.

3/ CROP YEAR ENDING JUNE 30, 1949.

Table 38.--Summary of 1949 Estimated Hawaiian Fruit and Vegetable Production
by Commodities and Months with Comparisons for 1948 and 1947

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total		
													1949	1948	1947
	1,000 pounds												1,000 pounds		
Fruits															
Avocados	82	107	104	75	54	47	66	94	92	85	105	69	980	1055	1075
Bananas	576	451	406	386	406	456	456	557	537	641	581	552	6005	9435	9400
Bananas, cooking	6	6	7	9	9	8	9	10	11	11	13	11	110	75	75
Mangos, cultivated	-	-	-	4	11	69	103	96	13	4	-	-	300	120	100
Oranges	25	15	5	2	2	1	-	-	30	100	150	70	400	5001/	345
Papayas	527	480	509	485	541	567	524	475	449	449	442	437	5885	7100	5525
Tangerines	20	10	2	-	-	-	-	-	-	18	100	120	270	2201/	150
Total fruits 1949	1236	1069	1033	961	1023	1148	1158	1232	1132	1308	1391	1259	13950		
1948	1366	1299	1634	1553	1462	1592	1545	1402	1544	1757	1817	1534		18505	
1947	1297	1258	1220	1145	1233	1375	1661	1348	1432	1582	1619	1498			16670
Vegetables															
Beans, snap	136	86	142	217	212	137	151	201	177	172	147	177	1955	2325	2275
Beets2/	6	9	8	11	11	10	13	15	15	14	14	14	140	135	195
Broccoli	34	31	25	21	25	25	23	22	24	30	30	25	315	220	275
Burdock	32	57	49	51	45	56	40	54	41	44	45	56	570	640	545
Cabbage, head	731	802	763	684	711	581	636	556	516	416	457	532	7385	9335	9165
Cabbage, oriental	262	195	189	294	293	182	232	284	223	245	206	245	2850	3110	2665
Carrots2/	143	133	182	173	223	260	255	191	108	126	132	109	2035	1995	2520
Cauliflower	39	27	42	38	40	28	27	28	29	21	22	19	360	310	530
Celery	3	5	3	17	62	86	43	34	48	48	67	44	460	530	900
Corn, green	75	70	150	91	102	133	84	82	151	100	114	88	1240	1165	1290
Cucumbers	121	146	166	251	358	267	341	365	290	300	285	280	3170	3360	3125
Daikon2/	302	297	312	332	312	317	327	352	338	318	313	315	3835	3795	3080
Dasheens	25	30	25	18	29	20	35	33	37	34	34	60	380	395	565
Eggplant	67	25	47	75	66	71	70	75	72	66	54	52	740	780	705
Ginger root	49	64	58	50	59	47	46	75	56	47	78	61	690	765	870
Lettuce	177	167	360	437	422	322	297	282	272	307	194	188	3425	2875	2785
Lotus root	42	27	18	6	2	3	5	21	27	41	51	72	315	280	385
Onions, dry	-	-	-	40	120	80	30	20	18	10	2	5	325	470	560
Onions, green	54	46	44	53	61	61	51	50	51	50	50	49	620	765	890
Peas (all types)	6	5	7	10	15	11	7	9	9	8	6	7	100	80	100

Continued

Table 38.—Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total		
													1949	1948	1947
	1,000 pounds												1,000 pounds		
Vegetables--Contd.															
Peppers, sweet	56	35	45	57	44	44	62	59	58	82	71	57	670	390	470
Potatoes	23	14	22	36	36	72	12	17	49	37	21	16	355	520	440
Pumpkins	16	39	17	31	75	35	21	38	33	22	47	26	400	270	425
Rhubarb	2	3	4	3	3	3	3	4	3	2	2	3	35	30	90
Squash, sum. & It.	10	5	25	30	30	35	25	50	20	20	30	20	300	250	265
Squash, misc.	14	22	12	11	36	39	30	31	66	41	26	32	360	360	350
Sweetpotatoes	64	91	91	115	118	168	119	147	138	125	157	112	1445	1200	1855
Taro (for mfr.)	1075	1080	1170	1160	1135	1210	1210	1270	1180	1220	1120	1070	13900	14195	12615
Tomatoes	524	400	300	524	662	569	501	451	592	557	457	468	6005	5300	4950
Watercress	101	102	131	132	124	127	129	129	129	126	125	125	1480	1430	1400
Watermelons	2	13	68	187	1326	1872	815	237	170	190	95	30	5005	5185	4195
Yam bean root	31	25	21	20	21	24	16	19	15	22	33	18	265	230	240
Total veg. 1949	4222	4051	4496	5175	6778	6895	5656	5201	4955	4841	4485	4375	61130		
1948	4199	3832	4442	4871	5863	6494	6396	5274	5420	5496	5534	4869		62690	
1947	4060	4198	4446	5075	6118	6974	6140	5257	4841	4692	4408	4512			60720
Total fruits and vegetables 1949	5458	5120	5529	6136	7801	8043	6814	6433	6087	6149	5876	5634	75080		
1948	5565	5131	6076	6424	7325	8086	7941	6676	6964	7253	7351	6403		81195	
1947	5357	5456	5666	6220	7351	8349	7801	6605	6273	6274	6027	6010			77390

1/ INCLUDES PRODUCTION FROM SOME NON-COMMERCIAL ACREAGE.

2/ WITH TOPS ON OAHU, TOPPED ON OTHER ISLANDS.

Table 39.—Estimated Monthly Production of Specified Fruits and Vegetables, 1949
with Comparisons for 1948 and 1947, by Commodities and Origin

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l		
													1949	1948	1947
	1,000 pounds												1,000 pounds		
<u>Fruits</u>															
Avocados															
Hawaii	70	90	90	60	40	30	45	70	70	70	90	50	775	860	790
Maui	6	10	8	8	8	8	6	6	6	6	6	12	90	85	95
Oahu	4	5	4	5	4	5	10	10	12	5	6	5	75	70	160
Kauai	2	2	2	2	2	4	5	8	4	4	3	2	40	40	30
Total 1949	82	107	104	75	54	47	66	94	92	85	105	69	980		
1948	99	93	106	82	79	51	66	62	104	117	112	84		1055	
1947	115	82	119	90	54	59	73	71	80	123	113	96			1075
Bananas															
Hawaii	30	35	40	45	45	40	35	45	40	40	40	40	475	500	485
Maui	35	30	30	30	30	30	35	35	30	35	30	25	375	425	390
Molokai	1	1	1	1	1	1	1	2	2	1	1	2	15	20	20
Oahu	500	375	325	300	325	375	375	450	450	550	500	475	5000	8400	8445
Kauai	10	10	10	10	5	10	10	25	15	15	10	10	140	90	60
Total 1949	576	451	406	386	406	456	456	557	537	641	581	552	6005		
1948	716	717	777	777	781	802	826	821	847	822	797	752		9435	
1947	787	745	747	745	752	745	795	792	830	839	809	814			9400
Bananas, cooking															
Hawaii	5	5	6	8	8	8	8	10	10	10	12	10	100	75	75
Maui	1	1	1	1	1	-	1	-	1	1	1	1	10	-	-
Total 1949	6	6	7	9	9	8	9	10	11	11	13	11	110		
1948	6	5	6	6	6	6	6	6	6	8	8	6		75	
1947	5	6	7	6	7	7	6	6	6	5	6	8			75

continued

Table 39.--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l		
													1949	1948	1947
	1,000 pounds												1,000 pounds		
<u>Fruits--Contd.</u>															
Mangos, cultivated															
Hawaii	-	-	-	-	2	10	12	6	-	-	-	-	30	30	-
Maui	-	-	-	-	3	50	75	70	10	2	-	-	210	60	60
Oahu	-	-	-	4	6	8	12	10	-	-	-	-	40	30	40
Kauai	-	-	-	-	-	1	4	10	3	2	-	-	20	-	-
Total 1949	-	-	-	4	11	69	103	96	13	4	-	-	300		
1948	-	-	-	7	9	25	52	22	5	-	-	-		120	
1947	-	-	-	5	5	22	55	13	-	-	-	-			100
Oranges															
Hawaii 1949	25	15	5	2	2	1	-	-	30	100	150	70	400		
1948	30	15	5	2	2	2	-	4	50	170	180	40		500 1/	
1947	8	1	3	-	-	-	-	8	25	50	150	100			345
Papayas															
Hawaii	40	40	45	45	50	50	50	45	40	45	40	40	530	550	400
Maui	5	6	6	8	10	10	15	20	25	25	20	10	160	85	60
Molokai	2	4	3	2	2	2	4	2	1	1	1	1	25	15	20
Oahu	475	425	450	425	475	500	450	400	375	370	375	380	5100	6380	5005
Kauai	5	5	5	5	4	5	5	8	8	8	6	6	70	70	40
Total 1949	527	480	509	485	541	567	524	475	449	449	442	437	5885		
1948	490	459	737	677	585	706	595	487	532	630	640	562		7100	
1947	357	414	339	299	415	542	731	456	489	550	491	440			5525
Tangerines															
Hawaii 1949	20	10	2	-	-	-	-	-	-	18	100	120	270		
1948	25	10	3	2	-	-	-	-	-	10	80	90		220 1/	
1947	25	10	5	-	-	-	1	2	2	15	50	40			150

1/ INCLUDES PRODUCTION FROM SOME NON-COMMERCIAL ACREAGE.

continued

Table 39.--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l		
	1,000 pounds												1949	1948	1947
Vegetables													1,000 pounds		
Beans, snap															
Hawaii	20	25	40	30	30	20	35	45	45	40	30	20	380	540	615
Maui	25	15	15	35	35	20	25	40	30	20	20	20	300	240	245
Molokai	1	1	2	2	2	2	1	1	2	2	2	2	20	20	15
Oahu	80	40	80	140	130	80	75	90	80	90	80	110	1075	1275	1195
Kauai	10	5	5	10	15	15	15	25	20	20	15	25	180	250	205
Total 1949	136	86	142	217	212	137	151	201	177	172	147	177	1955		
1948	152	117	222	227	185	187	227	231	206	207	172	192		2325	
1947	124	133	103	313	296	193	164	206	206	208	149	181			2275
Beets 2/															
Hawaii	2	4	3	3	2	3	5	3	5	4	2	4	40	40	85
Maui	2	2	2	4	3	3	2	4	2	2	2	2	30	30	45
Oahu	2	3	3	4	6	4	6	8	8	8	10	8	70	65	65
Total 1949	6	9	8	11	11	10	13	15	15	14	14	14	140		
1948	11	12	17	16	13	13	12	9	8	8	8	8		135	
1947	11	15	25	18	16	22	17	11	16	14	17	13			195
Broccoli															
Hawaii	8	5	5	8	12	12	12	10	10	10	10	8	110	60	125
Maui	16	18	14	5	3	3	3	4	4	4	4	2	80	60	50
Oahu	10	8	6	8	10	10	8	8	10	16	16	15	125	100	100
Total 1949	34	31	25	21	25	25	23	22	24	30	30	25	315		
1948	20	16	14	34	19	16	14	16	16	19	17	19		220	
1947	24	30	20	29	36	27	32	26	13	12	9	17			275

2/ WITH TOPS ON OAHU, TOPPED ON OTHER ISLANDS.

continued

Table 39.--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l			
													1949	1948	1947	
Vegetables--Contd.																
Burdock						1,000 pounds							1,000 pounds			
Hawaii	25	50	40	45	40	50	35	50	35	40	40	50	500	580	440	
Maui	6	6	8	5	4	5	4	4	5	4	4	5	60	50	85	
Oahu	1	1	1	1	1	1	1	-	1	-	1	1	10	10	20	
Total 1949	32	57	49	51	45	56	40	54	41	44	45	56	570			
1948	31	46	57	40	44	50	59	44	48	53	65	103		640		
1947	26	35	51	39	42	62	49	48	47	27	50	69			545	
Cabbage, head																
Hawaii	110	90	110	120	150	140	180	320	240	210	200	150	2020	2450	3925	
Maui	550	650	625	520	500	380	400	200	225	150	180	250	4630	6050	4270	
Molokai	1	2	1	1	1	1	1	1	1	1	2	2	15	20	-	
Oahu	40	50	25	40	45	45	30	20	30	35	60	80	500	540	655	
Kauai	30	10	2	3	15	15	25	15	20	20	15	50	220	275	315	
Total 1949	731	802	763	684	711	581	636	556	516	416	457	532	7385			
1948	682	584	677	736	691	846	851	886	886	847	882	767		9335		
1947	570	835	765	760	985	1045	780	650	695	690	745	645			9165	
Cabbage, oriental																
Hawaii	40	10	5	40	70	40	70	50	75	70	60	70	600	840	715	
Maui	110	70	70	90	40	40	50	70	50	50	30	30	700	770	505	
Oahu	110	110	110	160	180	100	110	160	90	120	110	140	1500	1400	1380	
Kauai	2	5	4	4	3	2	2	4	8	5	6	5	50	100	65	
Total 1949	262	195	189	294	293	182	232	284	223	245	206	245	2850			
1948	303	222	228	333	233	202	212	330	305	251	254	237		3110		
1947	332	223	151	217	227	166	191	222	210	211	227	288			2665	
Carrots 2/																
Hawaii	50	40	60	50	60	80	90	80	40	50	60	40	700	660	990	
Maui	75	75	100	100	140	150	150	90	50	60	50	50	1090	1050	1125	
Molokai	1	1	1	1	1	3	1	1	1	1	1	2	15	15	20	
Oahu	15	12	16	18	18	25	12	14	12	10	16	12	180	200	335	
Kauai	2	5	5	4	4	2	2	6	5	5	5	5	50	70	50	
Total 1949	143	133	182	173	223	260	255	191	108	126	132	109	2035			
1948	138	163	191	173	186	156	170	118	131	183	233	153		1995		
1947	138	172	244	256	304	306	257	236	183	188	113	123			2520	

2/ WITH TOPS ON OAHU, TOPPED ON OTHER ISLANDS.

Table 39.--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l		
													1949	1948	1947
Vegetables--Contd.															
Cauliflower	1,000 pounds												1,000 pounds		
Hawaii	1	-	1	2	2	2	1	1	2	4	2	2	20	50	70
Maui	35	25	40	35	30	20	25	25	25	15	10	15	300	210	345
Oahu	3	2	1	1	8	6	1	2	2	2	10	2	40	50	115
Total 1949	39	27	42	38	40	28	27	28	29	21	22	19	360		
1948	56	29	34	23	38	14	20	11	12	18	28	27		310	
1947	73	87	44	39	40	60	42	39	12	21	27	46			530
Celery															
Hawaii	2	2	2	14	50	70	30	30	40	40	60	40	380	420	695
Maui	1	3	1	1	2	6	3	1	8	8	4	2	40	60	130
Oahu	-	-	-	2	10	10	10	3	-	-	3	2	40	50	75
Total 1949	3	5	3	17	62	86	43	34	48	48	67	44	460		
1948	30	28	32	50	73	68	74	42	50	52	17	14		530	
1947	53	53	80	125	90	97	56	71	98	72	60	45			900
Corn, green															
Hawaii	5	2	5	2	4	5	2	15	20	8	8	4	80	120	140
Maui	14	18	70	50	30	14	18	12	6	2	4	2	240	275	190
Molokai	-	-	-	2	2	2	2	2	-	-	-	-	10	30	20
Oahu	50	40	60	25	60	100	50	45	110	80	90	70	780	600	810
Kauai	6	10	15	12	6	12	12	8	15	10	12	12	130	140	130
Total 1949	75	70	150	91	102	133	84	82	151	100	114	88	1240		
1948	93	145	115	78	101	118	53	53	68	142	97	102		1165	
1947	140	79	113	106	131	94	85	94	60	90	158	140			1290
Cucumbers															
Hawaii	40	70	80	90	100	110	180	230	180	140	140	160	1520	1740	1590
Maui	20	10	30	50	40	50	80	50	40	40	40	20	470	470	490
Molokai	1	1	1	1	3	2	1	-	-	-	-	-	10	-	-
Oahu	40	50	50	90	200	80	50	50	60	80	100	50	900	800	770
Kauai	20	15	5	20	15	25	30	35	10	40	5	50	270	350	275
Total 1949	121	146	166	251	358	267	341	365	290	300	285	280	3170		
1948	175	145	270	275	305	260	360	300	425	285	310	250		3360	
1947	190	150	155	325	330	270	310	355	285	325	175	255			3125

continued

Table 39.--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l		
													1949	1948	1947
Vegetables--Contd.															
Daikon 2/						1,000 pounds							1,000 pounds		
Hawaii	200	210	240	230	220	230	240	240	230	220	220	220	2700	2600	1855
Maui	30	35	30	30	30	25	25	30	30	20	20	20	325	350	345
Oahu	70	50	40	70	60	60	60	80	75	75	70	70	780	820	880
Kauai	2	2	2	2	2	2	2	2	3	3	3	5	30	25	-
Total 1949	302	297	312	332	312	317	327	352	338	318	313	315	3835		
1948	332	277	312	353	327	332	292	287	307	307	332	337		3795	
1947	210	195	210	230	240	245	300	275	255	310	310	300			3080
Dasheens															
Hawaii	15	16	15	5	4	5	20	20	20	20	20	40	200	210	310
Maui	3	4	2	4	3	4	4	2	4	3	3	4	40	40	40
Oahu	3	6	4	5	12	6	3	5	8	5	5	8	70	75	120
Kauai	4	4	4	4	10	5	8	6	5	6	6	8	70	70	95
Total 1949	25	30	25	18	29	20	35	33	37	34	34	60	380		
1948	23	36	26	20	20	26	30	37	44	49	32	52		395	
1947	37	34	30	15	23	26	62	53	70	53	50	112			565
Eggplant															
Hawaii	2	2	3	2	1	3	5	9	11	9	7	6	60	80	135
Maui	3	2	4	5	3	3	6	5	5	5	5	4	50	40	60
Molokai	5	4	8	6	5	8	10	8	8	6	6	6	80	100	105
Oahu	55	15	30	60	55	55	45	45	40	40	30	30	500	500	355
Kauai	2	2	2	2	2	2	4	8	8	6	6	6	50	60	50
Total 1949	67	25	47	75	66	71	70	75	72	66	54	52	740		
1948	61	38	44	54	60	68	84	81	85	84	64	57		780	
1947	31	33	37	49	65	72	64	83	82	70	65	54			705
Ginger root															
Hawaii	40	50	50	40	50	40	40	70	50	40	70	50	590	635	740
Maui	5	6	3	4	5	4	3	3	4	4	4	5	50	80	90
Kauai	4	8	5	6	4	3	3	2	2	3	4	6	50	50	40
Total 1949	49	64	58	50	59	47	46	75	56	47	78	61	690		
1948	68	51	68	54	49	63	68	67	68	54	87	68		765	
1947	93	69	57	58	48	65	75	84	86	59	78	98			870

2/ WITH TOPS ON OAHU, TOPPED ON OTHER ISLANDS.

continued

Table 39.—Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l			
													1949	1948	1947	
<u>Vegetables—Contd.</u>																
<u>Lettuce</u>																
Hawaii	100	110	270	350	330	250	210	190	190	220	110	100	2430	1850	1910	
Maui	25	15	18	25	30	20	25	20	20	15	12	15	240	300	275	
Oahu	50	40	70	60	60	50	60	70	60	70	70	70	730	700	600	
Kauai	2	2	2	2	2	2	2	2	2	2	2	3	25	25	-	
Total 1949	177	167	360	437	422	322	297	282	272	307	194	188	3425			
1948	246	188	207	217	293	333	368	217	222	222	171	191		2875		
1947	175	190	280	365	320	345	245	265	185	140	150	125				2785
<u>Lotus root</u>																
Maui	2	2	3	1	-	-	-	1	2	1	1	2	15	10	-	
Oahu	40	25	15	5	2	3	5	20	25	40	50	70	300	270	385	
Total 1949	42	27	18	6	2	3	5	21	27	41	51	72	315			
1948	36	26	11	2	2	2	3	13	31	41	51	62		280		
1947	40	30	15	10	5	5	15	35	40	50	50	90				385
<u>Onions, dry</u>																
Maui 1949	-	-	-	40	120	80	30	20	18	10	2	5	325			
1948	-	5	10	40	80	70	70	70	100	20	5	-		470		
1947	-	-	-	15	55	120	150	130	90	-	-	-				560
<u>Onions, green</u>																
Hawaii	8	8	6	6	6	6	6	6	6	6	6	5	75	90	110	
Maui	4	6	6	5	3	3	3	2	2	2	2	2	40	50	40	
Oahu	40	30	30	40	50	50	40	40	40	40	40	40	480	600	740	
Kauai	2	2	2	2	2	2	2	2	3	2	2	2	25	25	-	
Total 1949	54	46	44	53	61	61	51	50	51	50	50	49	620			
1948	68	61	63	54	61	63	64	61	64	73	71	62		765		
1947	59	70	74	88	72	83	79	68	68	71	73	85				890
<u>Peas (all types)</u>																
Hawaii	1	1	2	1	1	2	1	1	1	2	1	1	15	10	35	
Maui	2	2	3	5	4	3	3	3	3	3	2	2	35	30	30	
Oahu	3	2	2	4	10	6	3	5	5	3	3	4	50	40	35	
Total 1949	6	5	7	10	15	11	7	9	9	8	6	7	100			
1948	5	5	8	11	13	7	5	4	6	5	4	7		80		
1947	5	7	7	9	15	18	9	11	5	5	4	5				100

Table 39.--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l		
	1949	1948	1947											1949	1948
<u>Vegetables--Contd.</u>															
	<u>1,000 pounds</u>												<u>1,000 pounds</u>		
Peppers, sweet															
Hawaii	12	10	10	8	8	12	25	20	8	8	5	4	130	150	170
Maui	4	4	4	3	3	3	8	10	15	18	10	8	90	40	80
Oahu	20	15	25	40	25	25	25	25	30	50	50	30	360	100	115
Kauai	20	6	6	6	8	4	4	4	5	6	6	15	90	100	105
Total 1949	56	35	45	57	44	44	62	59	58	82	71	57	670		
1948	23	17	24	28	27	32	31	28	37	59	47	37		390	
1947	14	18	17	21	43	51	55	50	39	72	47	43			470
Potatoes															
Hawaii	5	2	2	4	8	2	2	2	4	2	1	6	40	150	120
Maui	18	12	20	20	25	60	10	15	35	30	15	10	270	330	300
Molokai	-	-	-	12	3	-	-	-	-	-	-	-	15	40	20
Oahu	-	-	-	-	-	10	-	-	10	5	5	-	30	-	-
Total 1949	23	14	22	36	36	72	12	17	49	37	21	16	355		
1948	19	14	55	105	74	41	45	32	36	34	35	30		520	
1947	12	24	34	34	75	49	34	19	49	35	40	35			440
Pumpkins															
Hawaii	6	30	14	6	3	4	1	5	12	8	35	16	140	90	65
Maui	6	8	1	20	60	25	16	30	15	8	6	5	200	120	310
Oahu	4	1	2	5	12	6	4	3	6	6	6	5	60	60	50
Total 1949	16	39	17	31	75	35	21	38	33	22	47	26	400		
1948	4	9	5	6	26	47	23	14	8	33	78	17		270	
1947	9	12	30	56	90	44	54	33	32	20	29	16			425
Rhubarb															
Hawaii 1949	2	3	4	3	3	3	3	4	3	2	2	3	35		
1948	2	3	5	3	3	3	2	2	1	1	3	2		30	
1947	5	6	12	10	10	10	10	8	5	6	4	4			90
Squash, Summer & Italian															
Hawaii 1949	10	5	25	30	30	35	25	50	20	20	30	20	300		
1948	10	10	20	20	40	10	35	20	10	20	30	25		250	
1947	1	1	20	45	50	45	20	30	3	12	25	13			265

continued

Table 39.--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l		
													1949	1948	1947
Vegetables--Contd.															
Squash, misc.	1,000 pounds												1,000 pounds		
Hawaii	8	15	5	-	-	-	2	4	40	20	10	6	110	180	180
Maui	3	1	1	1	1	4	3	2	1	1	1	1	20	-	-
Oahu	3	6	6	10	35	35	25	25	25	20	15	25	230	180	170
Total 1949	14	22	12	11	36	39	30	31	66	41	26	32	360		
1948	37	45	20	3	6	35	42	22	23	50	44	33		360	
1947	12	10	16	5	3	35	27	50	42	65	50	35			350
Sweetpotatoes															
Hawaii	20	30	40	25	40	50	30	40	40	30	35	30	410	450	1060
Maui	10	10	10	16	15	25	16	16	12	10	10	10	160	180	125
Molokai	1	1	1	2	3	3	3	3	2	2	2	2	25	25	20
Oahu	25	40	30	60	50	70	50	70	70	75	100	60	700	370	555
Kauai	8	10	10	12	10	20	20	18	14	8	10	10	150	175	95
Total 1949	64	91	91	115	118	168	119	147	138	125	157	112	1445		
1948	89	77	109	87	114	106	66	86	97	116	126	127		1200	
1947	98	152	158	205	250	199	163	191	121	133	105	80			1855
Taro (for mfr.)															
Hawaii	200	200	210	210	220	210	210	220	200	210	210	200	2500	2650	2490
Maui	100	90	120	100	110	120	110	100	110	110	100	100	1270	1575	1305
Molokai	25	20	25	25	25	30	40	40	30	30	20	20	330	230	245
Oahu	540	520	525	525	550	600	550	570	580	550	540	550	6600	6400	5800
Kauai	210	250	290	300	230	250	300	340	260	320	250	200	3200	3340	2775
Total 1949	1075	1080	1170	1160	1135	1210	1210	1270	1180	1220	1120	1070	13900		
1948	975	1000	1175	1090	1331	1145	1348	1323	1323	1265	1095	1125		14195	
1947	1043	1052	1130	1080	1015	1000	1025	1040	1100	1080	1005	1045			12615
Tomatoes															
Hawaii	130	120	90	80	50	30	50	30	25	20	25	100	750	850	1095
Maui	120	90	100	175	210	225	280	270	330	220	180	125	2325	1750	1755
Molokai	4	10	15	4	2	4	1	1	2	2	2	3	50	50	45
Oahu	140	60	75	225	300	220	120	100	175	225	160	160	1960	1850	1535
Kauai	130	120	20	40	100	90	50	50	60	90	90	80	920	800	520
Total 1949	524	400	300	524	662	569	501	451	592	557	457	468	6005		
1948	355	321	274	411	495	535	388	287	352	571	701	610		5300	
1947	372	320	399	350	480	500	410	447	455	430	407	380			4950

Table 39.—Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l		
													1949	1948	1947
<u>Vegetables--Contd.</u>	<u>1,000 pounds</u>												<u>1,000 pounds</u>		
Watercress															
Hawaii	4	4	4	4	6	8	10	10	10	8	6	6	80	70	80
Maui	3	4	2	3	3	4	4	4	4	3	3	3	40	40	40
Oahu	90	90	120	120	110	110	110	110	110	110	110	110	1300	1260	1250
Kauai	4	4	5	5	5	5	5	5	5	5	6	6	60	60	30
Total 1949	101	102	131	132	124	127	129	129	129	126	125	125	1480		
1948	122	118	134	139	135	126	131	106	110	108	98	103		1430	
1947	136	133	118	143	132	112	102	97	98	102	107	120			1400
Watermelons															
Hawaii	2	8	5	25	30	100	200	40	20	10	5	5	450	450	775
Maui	-	-	60	120	525	200	30	25	10	20	10	-	1000	1025	490
Molokai	-	-	-	-	1	2	5	2	-	-	-	-	10	10	30
Oahu	-	-	-	40	750	1500	500	100	80	150	80	25	3225	3400	2650
Kauai	-	5	3	2	20	70	80	70	60	10	-	-	320	300	250
Total 1949	2	13	68	187	1326	1872	815	237	170	190	95	30	5005		
1948	10	-	-	171	797	1504	1232	466	325	300	355	25		5185	
1947	3	10	30	37	595	1580	1248	308	182	110	70	22			4195
Yam bean root															
Hawaii	4	3	6	6	3	3	3	3	3	4	6	6	50	50	55
Oahu	15	10	5	4	6	5	5	4	4	3	2	2	65	80	30
Kauai	12	12	10	10	12	16	8	12	8	15	25	10	150	100	155
Total 1949	31	25	21	20	21	24	16	19	15	22	33	18	265		
1948	23	24	15	18	22	16	17	11	16	19	22	27		230	
1947	24	20	21	23	35	28	10	22	9	11	9	28			240

continued

Table 39.--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l		
													1949	1948	1947
<u>Miscellaneous Crops</u>	<u>1,000 pounds</u>												<u>1,000 pounds</u>		
Beans, dry															
Maui 1949	2	1	1	1	1	1	1	1	2	1	2	1	15		
1948	2	-	3	2	2	2	-	3	2	4	3	2		25	
1947	1	-	-	-	-	-	1	2	1	2	5	8			20
Corn, shelled															
Hawaii	10	5	5	20	40	30	50	75	50	40	100	75	500	475	705
Maui	5	50	20	20	18	5	10	12	10	8	2	-	160	150	150
Molokai	-	-	-	10	20	20	10	-	-	-	-	-	60	50 3/4	50 3/4
Kauai	2	6	6	6	6	5	5	3	8	12	8	8	75	60 3/4	60 3/4
Total 1949	17	61	31	56	84	60	75	90	68	60	110	83	795		
1948	107	20	55	65	45	64	29	25	39	59	210	17		735	
1947	92	5	40	31	140	114	99	60	105	85	109	85			965
Macadamia nuts, unshelled															
Kauai	35	30	30	30	30	40	50	60	50	50	50	45	500	550 3/4	580
Maui	2	2	1	1	1	1	1	1	2	3	3	2	20	20 3/4	20
Oahu	2	2	2	2	2	2	4	4	4	4	6	6	40	30	30
Kauai	10	10	10	5	5	4	2	4	25	30	10	5	120	100	50
Total 1949	49	44	43	38	38	47	57	69	81	87	69	58	680		
1948	60	60	40	42	48	58	74	68	68	64	64	54		700	
1947	58	48	43	39	37	55	67	77	75	70	60	51			680
Peanuts, unshelled															
Hawaii 1949	1	-	-	-	1	1	2	-	5	1	4	-	15		
1948	1	1	-	-	-	-	1	1	4	3	2	2		15	
1947	-	1	2	1	1	1	2	-	2	2	2	1			15

3/ REVISED DATA.