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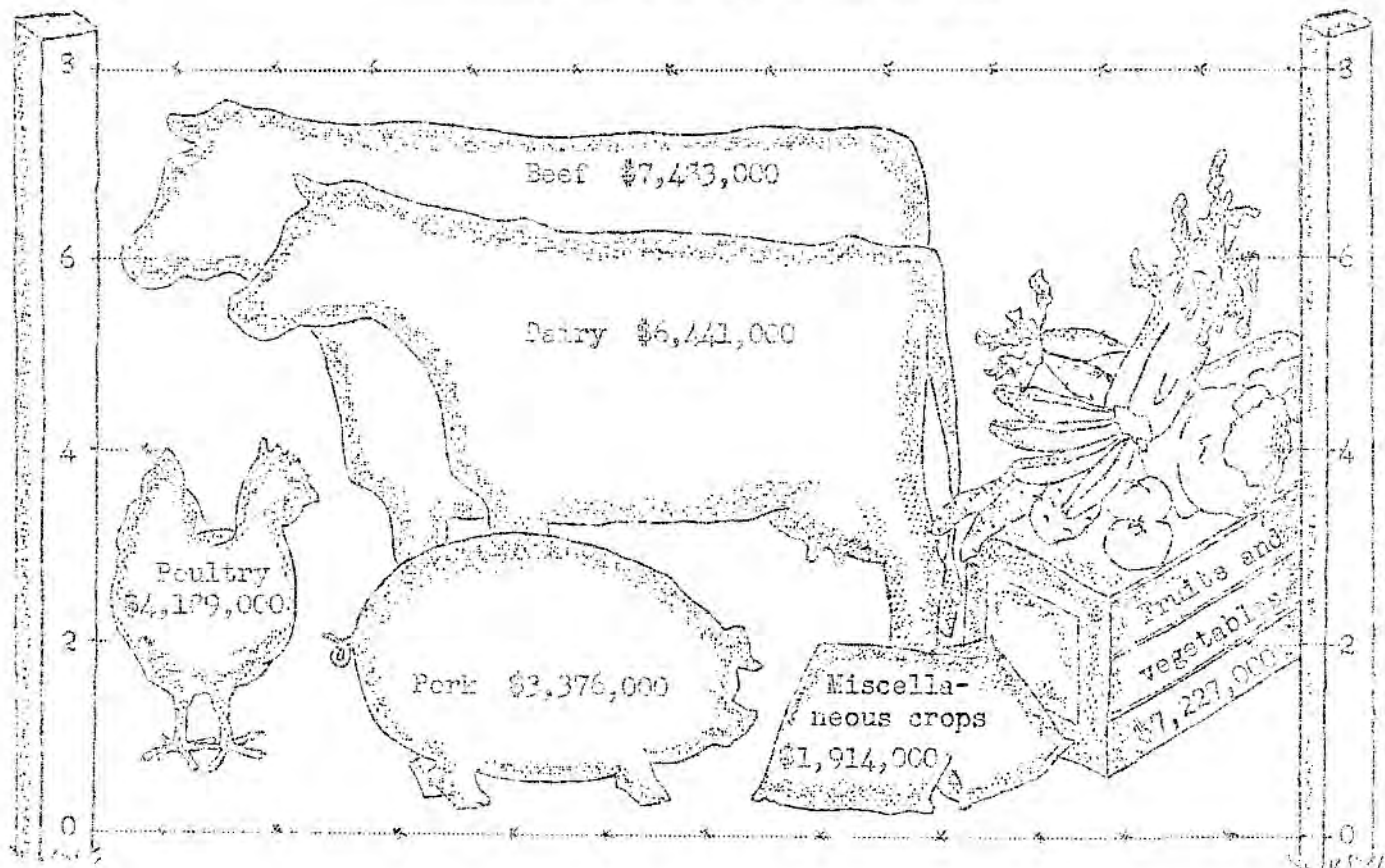
AGRICULTURAL EXTENSION SERVICE
UNIVERSITY OF HAWAII
HONOLULU 14, TERRITORY OF HAWAII
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING
H. H. WARNER, DIRECTOR
ISSUED IN FURTHERANCE OF ACTS OF MAY 8 AND JUNE 30, 1914

1948 STATISTICS OF DIVERSIFIED AGRICULTURE IN HAWAII

MILLIONS
OF DOLLARS

WHOLESALE VALUE OF MARKETINGS IN 1948

MILLIONS
OF DOLLARS



Agricultural Economics Section
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DIVERSIFIED AGRICULTURE IN 1948

Diversified farmers in the Islands fared better in 1948 than in most mainland areas because of the artificial values created by the maritime strike. Despite this, the number of farms continued to decline from the 1946 peak of 4,220. This reflects the squeeze that is plaguing farmers everywhere--high marketing costs cause higher prices to consumers and lower returns to farmers, coupled with a shrinking demand. It is useless to blame the transportation and marketing agencies, for it is their gross margins that are higher, not their net profits. Their increased cut goes to higher operating costs.

1948 Livestock and Diversified Crop Marketings: The value of livestock and diversified crop marketings in 1948, based on wholesale prices, is estimated at \$30,752,000 compared with \$27,249,000 in 1947 and \$25,160,000 in 1946. (The value of flower marketings is not included in this estimate.) Of the total, 70 percent or \$21,611,000 was from livestock, poultry, and bee products. Fruits, vegetables, and miscellaneous crops amounted to \$9,141,000 or 30 percent.

Diversified crops: The wholesale value of fresh vegetable marketings in 1948 was \$5,350,000 compared with \$4,510,000 in 1947. The volume of fresh vegetable marketings was 48,495,000 pounds, slightly higher than in 1947. The value of taro marketed for poi manufacture declined to \$697,000 in 1948 from \$814,000 in 1947, while the quantity sold increased to 14,195,000 pounds in 1948 from 12,615,000 in 1947. Fresh fruits (except pineapples) were valued at \$1,180,000 in 1948 compared with \$1,151,000 in 1947. The volume of fresh fruits marketed increased to 18,505,000 pounds from 16,670,000 in 1947.

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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Wholesale value of miscellaneous crop marketings, including rice, field corn, dry beans, and peanuts, declined to \$190,000 in 1948 from \$217,000 in 1947.

Macadamia nuts worth \$128,000, on an in-shell basis, were marketed in 1948 compared with marketings valued at \$117,000 in 1947. The quantity increased to 755,000 pounds in 1948 from 680,000 pounds in 1947. Coffee production for the crop year 1948-49 is forecast at 6,000,000 pounds, green basis, valued at \$1,596,000. This is less than the 1947-48 crop of 6,990,000 pounds that had an estimated value of \$1,825,000.

Livestock, Poultry, and Honey Marketings:

Beef cattle: The number of cattle marketed in 1948 amounted to 34,040 head, compared with 33,800 head in 1947. Beef products in 1948 were valued at \$7,483,000 at wholesale compared with \$6,049,000 in 1947.

Dairy products: Milk production in 1948 was 31,326,000 quarts compared with 32,245,000 quarts in 1947. Wholesale value of milk and dairy meat products marketed was \$6,441,000 compared with \$5,778,000 in 1947. The average price of milk delivered bottling plant was 18.5 cents a quart in 1948, and 16 cents in 1947.

Swine: The number of Island hogs marketed in 1948 was 43,100 head, the same as in 1947. Wholesale value of marketings delivered at slaughterhouse in 1948 was \$3,376,000. It was \$3,194,000 in 1947.

Sheep: Wholesale value of sheep product marketings in 1948 was \$66,000 compared with \$37,000 in 1947. Both price and production were higher in 1948.

Poultry: Egg production in 1948 amounted to 3,290,000 dozen, an increase of 22 percent above the 1947 production of 2,703,000 dozen. The wholesale value of egg and poultry meat marketings in 1948 was \$4,189,000 compared with \$3,437,000 in 1947.

Honey: Honey and beeswax production in 1948 totaled 664,000 pounds with an estimated export value of \$56,000 compared with 773,000 pounds valued at \$120,000 in 1947. A sharp drop in honey prices took place in 1948.

Land Utilization: Total land area of the Territory is 4,099,840 acres. In 1948 only 7 percent of the land was in cultivated crops approximately the same as in 1947. Much of the remaining area is mountainous, semi-arid, or lava flows. Forest reserves comprise 26 percent, and beef and sheep ranges 42 percent, of the total area. The balance is waste land, parks, cities, roads, and military establishments.

Total cultivated land area in 1948 was 288,150 acres compared with 293,235 in 1947. Of the 1948 total, 206,550 acres were in sugar cane, 5,075 acres less than in 1947; 68,000 acres were in pineapples, unchanged from the previous year; 13,600 acres were in diversified crops, a slight decline from the 13,610 acres in 1947. In 1948 fruit, vegetable, rice, and field corn acreages declined slightly from 1947; the coffee acreage remained unchanged; and macadamia nut plantings increased.

Number of Farms: There were 3,650 farms in the Territory producing livestock and diversified crops on a commercial scale in 1948. Farming enterprises on a commercial scale totaled 3,965: 1,340 livestock, 1,785 fruits and vegetables, and 840 miscellaneous crops. Of the approximately 1,340 farmers engaged in livestock enterprises 490 produced hogs as a major enterprise, 480 poultry, 290 beef cattle, 75 dairy products, and 2 sheep. There were 29 honey producers. Approximately 1,785 farmers produced fruits and vegetables--338 produced taro as a major crop and 1,445 other fruits and vegetables. Coffee production was the major enterprise on 700 farms, macadamia nuts on 65, and rice on 49.

METHODS

Plantation Crops: Estimates of acreage and volume are those given by the Pineapple Research Institute and the Hawaiian Sugar Planters' Association. Value is taken from published gross income tax bases which approximate free alongside ship value at Island ports.

Diversified Crops and Livestock: Statistics in this circular represent only commercial production for all commodities. Livestock and poultry are listed 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 an 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.

STATISTICS OF VALUE AND VOLUME OF AGRICULTURAL MARKETINGS

Table 1.--Value of Hawaiian Agricultural Marketings, 1948, 1947^{1/}, and 1946^{1/}

Commodity	1948	1947 ^{1/}	1946 ^{1/}
		<u>1,000 dollars</u>	
Sugar ^{2/ 3/}	72,709	83,540	62,875
Pineapples: canned fruit and juice ^{2/ 4/}	66,443	60,806	48,284
Total plantation crops	139,152	144,346	111,159
Beef products	7,483	6,049	4,931
Dairy products: milk and meat	6,441	5,778	4,704
Sheep products	66	37	60
Pork	3,376	3,194	3,319
Poultry meat and eggs	4,189	3,437	2,701
Honey, extracted and beeswax	56	120	159
Total livestock, poultry, and bee products ^{5/}	21,611	18,615	15,874
Coffee, green	1,596 ^{6/}	1,825	1,746
Corn, field; dry beans; and peanuts	33	50	48
Fruits, fresh (except pineapples)	1,180	1,151	878
Macadamia nuts, unshelled	128	117	95
Rice, milled	157	167	137
Vegetables, fresh	5,350	4,510	5,814
Taro (for manufacture)	697	814	568
Total diversified crops ^{5/}	9,141	8,634	9,286
Total livestock and diversified crops	30,752	27,249	25,160
Total agricultural marketings	169,904	171,595	136,319

^{1/} REVISED ESTIMATES.

^{2/} GROSS INCOME TAX BASE.

^{3/} BYPRODUCTS SUCH AS MOLASSES NOT INCLUDED.

^{4/} FRESH AND FROZEN PINEAPPLE AND BYPRODUCTS NOT INCLUDED.

^{5/} WHOLESALE VALUE ON ISLAND OF ORIGIN ESTIMATED BY ECONOMICS SECTION, AGRICULTURAL EXTENSION SERVICE, UNIVERSITY OF HAWAII.

^{6/} PRELIMINARY ESTIMATES, 1948-49 CROP.

Table 2.--Volume of Hawaiian Agricultural Marketings, 1948, 1947, 1946

Commodity		1948	1947 ^{1/}	1946 ^{1/}
Sugar, raw ^{2/}	tons	835,107	872,187	698,909
Pineapples ^{3/} : canned fruit	cases	11,429,144	10,236,886	9,050,898
canned juice	cases	8,893,631	8,206,789	8,671,204
Beef cattle	head	34,040	33,800	39,350
Dairy products: meat, including calves	head	6,010	4,965	5,000
milk	1,000 quarts	31,326	32,245	30,317
Sheep products: mutton	head	2,750	1,050	2,000
wool	1,000 pounds	75	66	105
Swine ^{4/}	head	43,100	43,100	66,100
Poultry products: eggs	1,000 dozens	3,290	2,703	2,458
meat birds	number	359,000	344,700	310,400
Bee products: honey, extracted	1,000 pounds	652	758	761
beeswax	1,000 pounds	12	15	15
Fruits, fresh (except pineapples)	1,000 pounds	18,505	16,670	17,595
Vegetables, fresh	1,000 pounds	48,495	48,105	57,210
Taro (for manufacture)	1,000 pounds	14,195	12,615	11,480
Coffee, green	1,000 pounds	6,000 ^{5/}	6,990	6,900
Corn, field; dry beans; and peanuts	1,000 pounds	665	890	820
Macadamia nuts, unshelled	1,000 pounds	755	680	630
Rice, milled	1,000 pounds	555	890	570

^{1/} REVISED ESTIMATES.

^{2/} HAWAIIAN SUGAR PLANTERS' ASSOCIATION ESTIMATES.

^{3/} PINEAPPLE DATA ARE FOR FISCAL YEAR JUNE 1-MAY 31, ENDING IN YEAR INDICATED AT TOP OF COLUMN. IN ADDITION TO CANNED PRODUCTS, APPROXIMATELY 2,900,000 POUNDS OF QUICK-FROZEN FRUIT AND 614,000 POUNDS OF FRESH FRUIT WERE EXPORTED. APPROXIMATELY 1,000,000 POUNDS OF FRESH FROZEN PINEAPPLES WERE MARKETING WITHIN THE TERRITORY. PINEAPPLE RESEARCH INSTITUTE ESTIMATES.

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

^{5/} PRELIMINARY ESTIMATES, 1948-49 CROP.

Table 3.--Wholesale Value of 1948 Marketings of Diversified Agricultural Products
by Island of Origin

Commodity	Hawaii	Maui	Molokai & Lanai	Oahu	Kauai & Niihau	Territory		
						1948	1947 1/	1946 1/
	1,000 dollars					1,000 dollars		
Beef cattle:								
Meat, hides, tallow, and offal.....	5,047	1,283	323	155	675	7,483	6,049	4,931
Sheep:								
Wool, mutton, offal, and hides.....	2/	-	-	-	2/	662/	37	60
Dairy:								
Milk and meat.....	526	648	2/	4,988	268	6,441	5,778	4,704
Swine:								
Pork.....	378	295	128	2,432	143	3,376	3,194	3,319
Poultry:								
Eggs and meat.....	876	625	24	2,557	107	4,189	3,437	2,701
Honey, extracted; and beeswax.....	13	19	2	7	15	56	120	159
Total livestock and bee products.....	6,8852/	2,870	4852/	10,139	1,2302/	21,611	18,615	15,874
Fruits, fresh (except pineapples).....	231	47	2	888	12	1,180	1,151	878
Vegetables, fresh.....	1,674	1,224	33	2,050	369	5,350	4,510	5,814
Taro (for manufacture).....	159	71	10	307	150	697	814	568
Total fruits and vegetables.....	2,064	1,342	45	3,245	531	7,227	6,475	7,260
Coffee, green.....	1,5963/	-	-	-	-	1,5963/	1,825	1,746
Corn, field; dry beans; and peanuts.....	22	11	-	-	-	33	50	48
Macadamia nuts, unshelled.....	102	4	-	5	17	128	117	95
Rice, milled.....	-	-	-	-	157	157	167	137
Total miscellaneous crops.....	1,720	15	-	5	174	1,914	2,159	2,026
Total livestock and diversified agricultural products.....	10,669	4,227	530	13,389	1,935	30,752	27,249	25,160

^{1/} REVISED ESTIMATES.

^{2/} DATA DELETED OR ROUNDED TO AVOID DISCLOSURE.

^{3/} 1948-49 CROP.

Table 4.--Volume of 1948 Marketings of Diversified Agricultural Products by Island of Origin

Commodity	Hawaii	Maui	Molokai & Lanai	Oahu	Kauai & Niihau	Territory		
						1948	1947 ^{1/}	1946 ^{1/}
Livestock, poultry, and bee products								
Beef cattle..... head	22,060	6,380	1,800	600	3,200	34,040	33,800	39,350
Dairy cows and calves								
Meat..... head	430	580	-	4,750	250	6,010	4,965	5,000
Milk..... 1,000 quarts	2,557	3,048	68	24,371	1,282	31,326	32,245	30,317
Sheep..... head	2/	-	-	-	2/	2,750	1,050	2,000
Wool..... 1,000 pounds	2/	-	-	-	2/	75	66	105
Swine ^{3/} head	5,300	4,500	1,800	29,400	2,100	43,100	43,100	66,140
Poultry								
Eggs..... 1,000 dozens	754	499	22	1,922	93	3,290	2,703	2,458
Meat birds..... number	77,000	48,000	3,000	220,000	11,000	359,000	344,700	310,400
Bee products								
Honey, extracted..... 1,000 pounds	149	219	25	84	175	652	758	761
Beeswax..... 1,000 pounds	3	4	4/	4/	3	12	15	15
Fruits and vegetables								
Fruits, fresh (except pineapples)..... 1,000 pounds	2,735	655	35	14,880	200	18,505	16,670	17,595
Vegetables, fresh..... 1,000 pounds	15,695	14,120	310	15,395	2,975	48,495	48,105	57,210
Taro (for manufacture)..... 1,000 pounds	2,650	1,575	230	6,400	3,340	14,195	12,615	11,480
Total fruits and vegetables	21,080	16,350	575	36,675	6,515	81,195	77,390	86,285
Miscellaneous crops								
Coffee, green..... 1,000 pounds	6,000 ^{5/}	-	-	-	-	6,000 ^{5/}	6,990	6,900
Corn, field; dry beans; and peanuts..... 1,000 pounds	490	175	-	-	-	665	890	820
Macadamia nuts, unshelled..... 1,000 pounds	600	25	-	30	100	755	680	630
Rice, milled..... 1,000 pounds	-	-	-	-	555	555	890	570
Total miscellaneous crops	7,090	200	-	30	655	7,975	9,450	8,920

^{1/} REVISED ESTIMATES.^{2/} DATA DELETED TO AVOID DISCLOSURE.^{3/} FEEDERS IMPORTED FROM THE MAINLAND AND FATTENED ON TERRITORIAL FARMS ARE NOT INCLUDED.^{4/} LESS THAN 1,000 POUNDS.^{5/} PRELIMINARY ESTIMATES, 1948-49 CROP.

STATISTICS OF LAND UTILIZATION AND DIVERSIFIED FARMS
Table 5.--Territorial Land Utilization, 1948, 1947, and 1946

Commodity	1948	Percent of total land area	1947 ^{1/}	Percent of total land area	1946 ^{1/}	Percent of total land area
	<u>Acres</u>		<u>Acres</u>		<u>Acres</u>	
Diversified crops ^{2/}						
Coffee ^{3/}	3,500		3,500		3,500	
Corn, field; peanuts; dry beans ^{4/}	596		813		827	
Fruits, tree ^{3/}	2,065		1,989		2,000	
Nuts, macadamia ^{3/}	1,088		910		774	
Rice ^{4/}	163		217		182	
Taro (for manufacture) ^{3/}	1,015		930		800	
Vegetables, fresh ^{4/}	5,176		5,254		5,916	
Total diversified crops ^{5/}	13,600	0.3	13,610	0.3	14,000	0.3
Plantation crops						
Sugar cane ^{6/}	206,550		211,625		208,375	
Pineapples ^{7/}	68,000		68,000		65,000	
Total plantation crops	274,550	6.7	279,625	6.8	273,375	6.7
Total cultivated crops	288,150	7.0	293,235	7.1	287,375	7.0
Other agricultural uses						
Ranges: beef and sheep ^{8/}	1,752,600		1,694,800		1,656,000	
Territorial forest reserve ^{9/}	1,066,840		1,071,360		1,071,360	
Total other	2,819,440	68.8	2,766,160	67.5	2,727,360	66.5
Total agricultural utilization	3,107,590	75.8	3,059,395	74.6	3,014,735	73.5
Total land area ^{10/}	4,099,840					

^{1/} REVISED ESTIMATES.

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

^{3/} AVERAGE ACREAGE DURING YEAR.

^{4/} PLANTINGS FOR 1948 HARVEST.

^{5/} ROUNDED TOTALS.

^{6/} HAWAIIAN SUGAR PLANTERS' ASSOCIATION ESTIMATES; ACRES IN CROP, END OF YEAR, ROUNDED.

^{7/} PINEAPPLE RESEARCH INSTITUTE ESTIMATES FOR END OF YEAR, INCLUDING WASTELAND, CAMPSITES, AND ROADS.

^{8/} COUNTY AGENTS' ESTIMATES.

^{9/} BOARD OF AGRICULTURE AND FORESTRY 1948 SURVEY.

^{10/} 1940 CENSUS DATA.

Table 6.--Land Utilization by Islands, 1948

Commodity	Hawaii		Maui		Molokai-Lanai		Oahu		Kauai-Niihau	
	Acres	Per-cent ^{2/}	Acres	Per-cent ^{2/}	Acres	Per-cent ^{2/}	Acres	Per-cent ^{2/}	Acres	Per-cent ^{2/}
Diversified crops: ^{1/}										
Coffee ^{3/}	3,500		-		-		-		-	
Corn, field; peanuts; dry beans ^{4/}	471		117		-		-		8	
Fruits, tree ^{3/}	284		220		86		1,446		29	
Nuts, macadamia ^{3/}	730		6		2		123		227	
Rice ^{4/}	-		-		-		-		163	
Taro (for mfr.) ^{3/}	238		82		23		462		210	
Vegetables, fresh ^{4/}	1,429		1,418		79		1,936		314	
Total diversified crops ^{5/}	6,650	0.3	1,845	0.4	190	0.1	3,970	1.0	950	0.2
Plantation crops:										
Sugar cane ^{6/}	93,620		33,815		-		35,240		43,870	
Pineapples ^{1/}	-		11,000		31,000		20,000		6,000	
Total plantation crops	93,620	3.6	44,815	9.0	31,000	12.1	55,240	14.7	49,870	12.5
Total cultivated land	100,270	3.9	46,660	9.4	31,190	12.2	59,210	15.7	50,820	12.7
Other agricultural uses:										
Ranges: beef and sheep ^{8/}	1,279,500		150,000		130,000		8,700		184,400	
Territorial forest reserve ^{2/}	576,220		160,055		52,805		117,105		160,655	
Total other	1,855,720	72.1	310,055	62.8	182,805	71.2	125,805	33.4	345,055	86.5
Total agricultural utilization	1,955,990	76.0	356,715	72.2	213,995	83.4	185,015	49.1	395,875	99.2
Total land area ^{10/}	2,573,440		494,080		256,640		376,960		398,720	

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

Table 7.--Number of Commercial-Scale Diversified Agricultural Enterprises
and Total Number of Farms in 1948, with Comparisons for 1947 and 1946

Commodity	Hawaii	Maui	Molokai and Lanai	Oahu	Kauai	Territory ^{1/}		
						1948	1947 ^{2/}	1946 ^{2/}
Beef cattle	165	50	20	8	48	291	255	261
Sheep	1	-	-	-	1	2	2	2
Dairy	24	7	1	39	4	75	78	83
Hogs	83	65	22	273	47	490	487	525
Poultry	193	43	6	221	18	481	677	748
Total livestock	466	165	49	541	118	1,340	1,500	1,620
Fruits and vegetables, fresh ^{3/}	336	275	25	671	138	1,445	1,499	1,612
Taro (for mfr.)	77	72	18	102	69	338	330	325
Total fruits and vegetables	413	347	43	773	207	1,785	1,830	1,935
Coffee, green	700	-	-	-	-	700	700	700
Macadamia nuts	33	3	2	7	20	65	48	48
Rice	-	-	-	-	49	49	46	39
Honey	3	10	4	9	3	29	30	30
Total miscellaneous crops	736	13	6	15	72	840	825	820
Total commercial-scale enterprises ^{4/}	1,615	525	98	1,330	397	3,965	4,155	4,375
Total farms ^{5/}	1,540	510	90	1,240	270	3,650	4,010	4,230

1/ ROUNDED TOTALS.

2/ REVISED ESTIMATES.

3/ EXCEPT PINEAPPLES.

4/ SOME FARMS HAVE MORE THAN ONE ENTERPRISE.

5/ 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, 1948, 1947, AND 1946^{1/}

Commodity	1948		1947 ^{2/}		1946 ^{2/}	
	Oahu	Outlying islands	Oahu	Outlying islands	Oahu	Outlying islands
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Beef Cattle:						
Beef carcasses ^{3/} pound	.445	.395	.37	.32	.236	.225
Offal, hide, and tallow ^{3/} per beef animal	24.70	23.40	24.30	22.00	15.40	15.00
Dairy cattle and milk:						
Milk ^{4/} quart	.18	.19	.17	.15	.15	.13
Mature dairy cattle carcasses ^{3/} pound	.40	.35	.33	.28	.207	.197
Dairy calf carcasses ^{3/} pound	.25	.21	.18	.15	.18	.15
Offal, hide and tallow ^{3/} per mature dairy animal	22.70	21.40	22.70	20.40	14.33	14.00
Offal and hide ^{3/} per dairy calf	3.20	3.15	5.05	4.96	2.27	2.22
Sheep and wool:						
Mutton carcasses ^{3/} pound	-	.23	-	.20	-	.17
Wool ^{5/} pound	-	.43	-	.40	-	.40
Offal and hide ^{3/} per animal	-	1.05	-	1.00	-	.65
Swine: ^{6/} liveweight, pound	.42	.42	.42	.42	.268	.268
Poultry and eggs:						
Eggs in cases dozen	1.03	.89 ^{7/}	1.00	.96	.95	.86
Hens and roosters sold for meat liveweight, pound	.63	.50 ^{8/}	.55	.50	.55	.48
Broilers, fryers, and roasters liveweight, pound	.75	.60 ^{2/}	.75	.67	.65	.57
Bee products:						
Honey ^{5/} extracted, pound	.08	.08	.15	.15	.20	.20
Beeswax ^{5/} pound	.43	.43	.44	.44	.47	.47

1/ PRICES WEIGHTED BY THE RELATIVE MARKETINGS OF EACH GRADE.

2/ REVISED ESTIMATES.

3/ SALES BY SLAUGHTERHOUSE.

4/ DELIVERED BOTTLING PLANT.

5/ F.A.S. ISLAND PORT.

6/ DELIVERED SLAUGHTERHOUSE.

7/ EXCEPT FOR \$1.02 ON MAUI AND \$.95 ON HAWAII.

8/ EXCEPT FOR \$.58 ON MAUI.

9/ EXCEPT FOR \$.70 ON MAUI.

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

Table 9.--Ranches, Pasture Acreage, Number of Cattle, and Marketings, 1948, 1947, and 1946

Island	Number of ranches	Acreage used for pasture	Number of cattle on ranches in December	Number of cattle mar- keted in 1948	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>
East Hawaii	96	480,500	32,000	6,880	22	15.0
West Hawaii	36	301,200	18,700	3,940	21	16.1
North Hawaii	33	467,800	41,500	11,240	27	11.3
Maui	50	150,000	24,000	6,380	27	6.2
Molokai and Lanai	20	130,000	9,000	1,800	20	14.4
Oahu	8	8,700	1,360	600	44	6.4
Kauai and Niihau	48	138,400	14,000	3,200	23	9.9
Territory 1948	291	1,676,600	140,560	34,040	24	11.9
1947 ^{1/}	255	1,618,800	140,500	33,800	24	11.5
1946 ^{1/}	261	1,580,000	132,780	39,350	30	11.9

^{1/} REVISED ESTIMATES.

Table 10.--Weight and Value of Beef Cattle Marketings, 1948, 1947, and 1946

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	22,060	11,471	4,531	516	5,047
Maui	6,380	2,871	1,134	149	1,283
Molokai and Lanai	1,800	711	281	42	323
Oahu	600	315	140	15	155
Kauai and Niihau	3,200	1,520	600	75	675
Territory 1948	34,040	16,888	6,686	797	7,483
1947 ^{1/}	33,800	16,489	5,303	746	6,049
1946 ^{1/}	39,350	19,258	4,340	591	4,931

^{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 1948, 1947, and 1946
by Islands and Size of Herd

Number of mature dairy cows per farm	August 1948						August 1947 ^{1/}	August 1946
	Hawaii	Maui	Molokai	Oahu	Kauai	Territory	Territory	Territory
300 or more	0	2	0	3	0	5	6	9
150 to 299	1	0	0	13	1	15	15	10
50 to 149	5	4	0	16	2	27	27	27
10 to 49	18	1	1	7	1	28	30	37
Total 1948	24	7	1	39	4	75		
1947 ^{1/}	23	7	1	42	5		78	
1946	24	9	1	42	7			83

^{1/} REVISED ESTIMATES.

Table 12.--Average Daily Milk Production per Cow, by Months and Average for 1948, 1947, and 1946

Island	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average		
													1948	1947 ^{1/}	1946
	<u>Quarts</u>														
Hawaii	8.4	8.2	8.3	8.2	8.5	8.1	8.9	8.8	8.7	8.7	8.4	8.9	8.5	7.7	7.0
Maui	7.5	7.6	7.9	8.0	7.8	7.8	7.3	7.0	6.7	6.6	6.4	6.5	7.3	7.1	7.0
Molokai	9.5	9.8	8.2	9.0	8.9	8.3	7.3	9.4	8.0	6.0	6.7	7.4	8.2	8.9	7.5
Oahu	9.5	9.1	9.4	9.6	9.8	9.9	10.5	9.6	9.6	9.7	10.0	9.9	9.7	9.6	9.0
Kauai	6.7	6.8	7.2	7.4	7.5	7.5	8.0	8.3	7.8	7.6	7.6	7.8	7.5	6.2	5.7
Territory															
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	
1946	7.8	7.7	8.1	8.3	8.4	8.5	8.5	8.6	8.9	8.7	8.4	8.9			8.4

^{1/} REVISED ESTIMATES.

Table 13.--Average Daily Milk Production per Month and Yearly Average for 1948, 1947, and 1946

Island	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average		
													1948	1947 ^{1/}	1946 ^{1/}
	<u>Quarts</u>												<u>Quarts</u>		
Hawaii	6,800	6,500	6,600	6,600	6,800	6,500	7,400	7,400	7,500	7,200	7,100	7,400	7,000	6,400	6,100
Maui	9,000	9,300	9,500	9,500	9,100	9,100	7,900	7,700	7,400	7,300	7,100	7,100	8,300	8,700	8,600
Molokai	190	195	180	190	205	190	190	225	200	140	160	170	190	160	150
Oahu	66,200	66,400	66,000	67,500	68,200	64,000	68,200	68,300	64,300	66,100	66,400	67,400	66,600	70,100	65,200
Kauai	3,200	3,200	3,400	3,500	3,600	3,600	3,700	3,800	3,500	3,500	3,500	3,500	3,500	3,400	3,000
Territory															
1948 ^{2/}	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 ^{1/}	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	
1946 ^{1/}	75,800	76,400	79,200	80,900	83,600	85,600	84,800	87,300	87,000	85,200	84,400	86,500			83,000

^{1/} REVISED ESTIMATES.^{2/} ROUNDED TOTALS.Table 14.--Cows Milking as Percentage of All Mature Dairy Cows
by Months and Average for 1948 and 1947

Island	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average ^{1/}	
													1948	1947
	<u>Percent</u>												<u>Percent</u>	
Hawaii	75	70	72	69	72	83	70	73	74	68	66	67	72	72
Maui	68	70	68	70	71	71	65	70	71	68	68	69	69	70
Molokai	80	80	68	76	65	65	70	79	72	63	75	61	71	83
Oahu	73	75	72	74	74	76	76	72	72	77	77	78	75	76
Kauai	68	71	72	73	74	75	74	65	72	78	78	75	73	65
Territory														
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, and Production and Value of Milk, 1948, 1947, and 1946

Island	Number of mature dairy cows, August 31			Milk					
				Yearly production			Yearly value ^{1/}		
	1948	1947	1946	1948	1947	1946	1948	1947	1946
				1,000 quarts			1,000 dollars		
Hawaii	840	840	850	2,557	2,349	2,233	486	352	290
Maui	1,100	1,210	1,230	3,048	3,167	3,130	579	475	407
Molokai	24	18	17	68	58	55	2/	2/	2/
Oahu	7,100	8,080	8,310	24,371	25,421	23,795	4,460	4,322	3,569
Kauai	460	550	540	1,282	1,250	1,104	244	188	144
Territory									
1948	9,520 ^{3/}			31,326			5,780 ^{2/}		
1947		10,700 ^{3/}			32,245			5,345 ^{2/}	
1946			10,950 ^{3/}			30,317			4,415 ^{2/}

^{1/} DELIVERED BOTTLING PLANT.^{2/} DATA DELETED OR ROUNDED TO AVOID DISCLOSURE.^{3/} ROUNDED TOTALS.

Table 16.--Dairy Cattle and Calves Sold for Meat, 1948, 1947, and 1946

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
Hawaii	430	105	35	5	40
Maui	580	179	61	8	69
Molokai	-	-	-	-	-
Oahu	4,750	1,220	470	58	528
Kauai	250	63	21	3	24
Territory 1948	6,010	1,567	587	74	661
1947	4,965	1,239	371	62	433
1946	5,000	1,245	251	38	289

STATISTICS OF COMMERCIAL SWINE FARMS

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

Table 17.--Number of Commercial Swine Farms, August 1948, 1947, and 1946
by Islands and Size of Herd

Number of swine, all ages, per farm	Number of Farms					Territory		
	Hawaii	Maui	Molokai and Lanai	Oahu	Kauai	1948	1947	1946
500 or over.....	-	1	1	9	-	11	7	7
300 to 499.....	3	-	-	17	-	20	25	12
100 to 299.....	17	7	3	110	10	147	140	148
10 to 99.....	63	57	18	137	37	312	315	358
Territory 1948.....	83	65	22	273	47	490		
1947.....	58	70	19	278	62		487	
1946.....	62	70	13	301	79			525

Table 18.--Number of Swine on Farms and Swine Marketings, 1948, 1947, and 1946

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.....	6,000	4,600	1,400	5,300	901	170	378
Maui.....	4,400	3,400	1,000	4,500	702	156	295
Molokai and Lanai.....	2,500	1,900	600	1,800	304	169	128
Oahu.....	37,900	28,000	9,900	29,400	5,792	197	2,432
Kauai.....	3,400	2,200	1,200	2,100	342	163	143
Territory 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
1946.....	61,000 ^{2/}	44,800 ^{3/}	16,200 ^{4/}	66,100	12,382	187	3,319

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 19.--Miscellaneous Swine Statistics Based on August 1948, 1947, and 1946 Surveys

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	3,530	160	880	140	990	7.1
Maui	2,780	70	600	120	840	7.0
Molokai and Lanai	1,480	40	340	40	250	6.2
Oahu	21,920	590	5,500	840	5,750	6.8
Kauai	1,790	60	410	80	550	6.9
Territory 1948	31,500	920	7,730	1,220	8,380	7.0
1947	30,630	890	6,850	1,170	8,250	7.0
1946	36,170	940	7,650	1/	1/	1/

1/ DATA NOT AVAILABLE.

Table 20.--Number of Swine and Farrowings Classified by Size of Herd, Based on August 1948 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	8,840	2,440	6,400	1,250	100	5,050	200	7.0
300 to 499	7,230	1,630	5,600	890	90	4,620	120	7.2
100 to 299	24,220	6,420	17,800	3,420	370	14,010	520	6.8
10 to 99	13,980	3,630	10,350	2,170	360	7,820	380	6.8
Territory	54,270	14,120	40,150	7,730	920	31,500	1,220	7.0

Table 21.--SHEEP STATISTICS, 1948, 1947, AND 1946

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
		Acres			Value ^{1/} 1,000 dollars	Dressed weight 1,000 pounds	Value ^{1/} 1,000 dollars	Production 1,000 pounds	Value ^{2/} 1,000 dollars	
1948	2	76,000	13,100	2,750	3	135	31	75	32	66
1947	2	76,000	14,500	1,050	1	52	10	66	26	37
1946	2	76,000	13,000	2,000	1	100	17	105	42	60

^{1/} AT SLAUGHTERHOUSE.^{2/} F.A.S. ISLAND PORT.

STATISTICS OF COMMERCIAL POULTRY FLOCKS

(Farms with 100 or more layers are classified as commercial)

Table 22.--Number of Commercial Poultry Farms in Territory, August 1948, 1947, and 1946 by Islands and Size of Flock

Number of layers per farm	Hawaii	Maui	Molokai and Lansi	Oahu	Kauai	Territory		
						1948	1947	1946
3,000 and over	-	3	-	8	-	11	15	20
1,500 to 2,999	2	1	-	18	1	22	34	38
500 to 1,499	26	11	1	59	4	101	134	125
100 to 499	165	28	5	136	13	347	494	565
Total 1948	193	43	6	221	18	480 ^{1/}		
1947	265	48	7	328	29		675 ^{1/}	
1946	256	54	11	357	70			750 ^{1/}

^{1/} ROUNDED TOTALS.

Table 23.--Production and Wholesale Value of Poultry Products, 1948, 1947, and 1946

Island	E g g s		M e a t b i r d s		
	Production	Wholesale value	Number	Live weight	Wholesale value
	1,000 dozens	1,000 dollars		1,000 pounds	1,000 dollars
Hawaii	754	716	77,000	290	160
Maui	499	509	48,000	182	116
Molokai and Lanai	22	18	3,000	11	6
Oahu	1,922	1,979	220,000	830	578
Kauai	93	83	11,000	44	24
Territory 1948	3,290	3,305	359,000	1,357	884
1947	2,703	2,627	344,700	1,317	810
1946	2,458	2,027	310,400	1,195	674

Table 24.--Number of Chickens of All Ages, 1948, 1947, and 1946^{1/}

Island	Feb.	Apr.	Jun.	Aug.	Oct.	Dec.
Hawaii	104,600	120,500	115,600	91,100	74,000	59,000
Maui	63,100	64,100	61,500	55,600	48,300	45,800
Molokai and Lanai	4,400	4,700	4,800	3,800	3,400	3,200
Oahu	299,200	292,700	308,700	297,500	256,800	268,100
Kauai	15,200	15,900	17,200	13,400	11,800	14,100
Territory 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
1946	530,400	600,000	516,400	471,700	423,500	470,200

^{1/} INCLUDES COCKERELS AND ROOSTERS.

Table 25.--Number of Layers, 1948, 1947, and 1946

Island	Feb.	Apr.	Jun.	Aug.	Oct.	Dec.
Hawaii	57,200	60,300	53,700	54,700	50,000	42,000
Maui	36,400	35,500	36,800	36,100	37,000	34,000
Molokai and Lanai	2,100	2,000	2,000	2,100	2,300	2,000
Oahu	158,000	140,000	140,600	142,300	131,300	125,500
Kauai	8,500	7,900	8,700	8,500	8,500	8,000
Territory 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
1946	274,600	235,700	221,300	238,000	242,500	252,300

Table 26.--Number of Pullets 6 Weeks to Laying Age, 1948 and 1947

Island	Feb.	Apr.	Jun.	Aug.	Oct.	Dec.
Hawaii	6,200	25,000	32,000	16,900	4,400	2,800
Maui	7,600	10,000	12,800	10,200	5,300	6,000
Molokai and Lanai	600	1,000	1,300	1,000	500	500
Oahu	54,100	73,000	83,200	72,100	63,400	74,400
Kauai	1,800	3,600	4,800	3,400	2,100	3,000
Territory 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 27.--Number of Baby Chicks up to 6 Weeks Old, 1948 and 1947

Island	Feb.	Apr.	Jun.	Aug.	Oct.	Dec.
Hawaii	30,400	22,800	18,000	10,100	12,000	8,100
Maui	15,100	14,600	8,000	5,800	3,000	2,900
Molokai and Lanai	900	800	600	-	-	100
Oahu	56,700	50,000	53,600	53,000	36,000	41,000
Kauai	3,800	3,200	2,400	500	300	2,000
Territory 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 28.--Egg Production by Months, 1948, 1947, and 1946

Island	Feb.	Apr.	Jun.	Aug.	Oct.	Dec.
				Dozens		
Hawaii	76,300	79,600	67,500	59,600	47,700	41,300
Maui	51,500	49,200	45,000	35,800	34,400	36,000
Molokai and Lanai	2,100	2,000	1,800	1,700	1,700	1,800
Oahu	192,000	190,000	168,000	147,800	129,500	127,700
Kauai	9,300	9,200	8,500	7,300	5,800	6,000
Territory 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
1946	242,500	252,700	188,400	172,000	157,700	173,700

Table 29.--Eggs Laid per Layer per Month and Total for 1948, 1947, and 1946

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	14.6	16.0	17.0	15.8	15.3	15.1	13.8	13.1	11.7	11.4	10.9	11.8	166.5	13.9
Maui	13.6	17.0	18.1	16.6	15.6	14.7	13.3	11.9	11.5	11.2	10.5	12.7	166.7	13.9
Molokai and Lanai ^{1/}	-	12.0	-	12.0	-	10.8	-	9.7	-	8.9	-	10.8	128.4	10.7
Oahu	13.0	14.6	16.6	16.3	14.6	14.3	12.9	12.5	12.1	11.8	11.6	12.2	162.5	13.5
Kauai ^{1/}	-	13.1	-	14.0	-	11.7	-	10.3	-	8.2	-	9.0	133.5	11.1
Territory														
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
1946 ^{1/}	-	10.6	-	12.9	-	10.2	-	8.7	-	7.8	-	8.3	120.0	10.0

^{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 30.--Miscellaneous Poultry Statistics, 1948 and 1947

Island	Average number of layers and egg production in 1948				August 1948 survey statistics					
	Average number of layers in 1948		Average monthly egg production in 1948		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/}	
	Number	Percent ^{4/}	Dozens	Percent ^{4/}		Number	Percent ^{5/}		Dozens	Average per farm
Hawaii	53,800	22.3	62,800	22.9	54,700	22,400	41.0	9,400	2,930	15.8
Maui	35,900	14.8	41,600	15.2	36,100	19,200	53.2	3,500	610	14.2
Molokai and Lanai	2,100	0.9	1,800	0.7	2,100	800	38.1	800	80	13.3
Oahu	141,400	58.5	160,200	58.4	142,300	63,300	44.5	30,100	5,100	23.1
Kauai	8,400	3.5	7,800	2.8	8,500	4,600	54.1	1,000	290	16.1
Territory 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, 1948.

^{2/} INCLUDE ROOSTERS AND COCKERELS 6 WEEKS OLD OR OVER.

^{3/} MONTH OF AUGUST 1948.

^{4/} PERCENTAGE OF TERRITORIAL TOTAL.

^{5/} PULLETS LAYING AGE TO 18 MONTHS AS PERCENTAGE OF BIRDS OF ALL AGES IN LAYING FLOCK.

Table 31.--Number of Chickens and Production of Poultry Products
By Size of Flock, August 1948

Number of layers per farm	Chickens of all ages and sex ^{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/}
	<u>Number</u>	<u>Number</u>	<u>Number</u>	<u>Number</u>	<u>Number</u>	<u>Dozens</u>	<u>Pounds, liveweight</u>
3,000 and over	94,800	55,100	20,600	10,900	8,200	59,600	21,200
1,500 to 2,999	77,800	42,100	23,100	7,200	5,400	41,400	12,600
500 to 1,499	145,400	81,000	27,600	22,000	14,800	79,900	44,400
100 to 499 ^{4/}	143,400	65,500	32,300	29,300	16,300	71,300	64,600
Territory	461,400	243,700	103,600	69,400	44,700	252,200	142,800

^{1/} AUGUST 31, 1948

^{2/} INCLUDES COCKERELS, 6 WEEKS OLD OR OVER, AND ROOSTERS.

^{3/} MONTH OF AUGUST 1948.

^{4/} INCLUDES A FEW FARMS PRODUCING MEATBIRDS ONLY.

Table 32.--Egg-Feed Ratios for Oahu and Hawaii, 1948 and 1947,
by Months and Average for Year^{1/}

Island	Jan. 15	Feb. 15	Mar. 15	Apr. 15	May 15	Jun. 15	Jul. 15	Aug. 15	Sep. 15	Oct. 15	Nov. 15	Dec. 15	<u>Average^{2/}</u>	
													1948	1947
	<u>Pounds</u>												<u>Pounds</u>	
Hawaii 1948	12.3	9.0	8.7	9.0	9.3	10.5	12.3	13.8	14.2	13.9	14.9	15.6	12.0	
1947	17.8 ^{3/}	15.4	12.5	10.9	12.5	13.1	13.6	14.1	14.8	13.2	12.5	14.1		13.7
Oahu 1948	14.8	12.9	9.6	10.0	10.1	11.5	14.0	16.1	16.1	15.8	16.2	17.2	13.7	
1947	19.9 ^{3/}	17.5	14.7	13.6	15.5	15.2	15.3	16.4	16.8	16.4	16.0	16.4		16.1

^{1/} THE EGG-FEED RATIO IS THE NUMBER OF POUNDS OF POULTRY FEED EQUAL IN VALUE TO A DOZEN EGGS AT THE FARM.

^{2/} SIMPLE AVERAGE OF MONTHLY RATIOS.

^{3/} JANUARY RATIOS ARE APPROXIMATIONS SINCE FEED PRICE RECORDS WERE NOT KEPT BEFORE FEBRUARY.

TABLE 33.--STATISTICS OF HONEY AND BEESWAX, 1948, 1947, AND 1946

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	3 ^{1/}	3 ^{1/}	150	149	11.9	3.3	1.4	13
Maui	10	14	1,830	120	219	17.5	4.3	1.8	19
Molokai and Lanai	4	6	360	69	25	2.0	0.7	0.3	2
Oahu	9	17	2,010	42	84	6.7	0.6	0.3	7
Kauai and Niihau	3	3 ^{1/}	3 ^{1/}	46	175	14.0	3.0	1.3	15
Territory 1948	29	50 ^{3/}	9,000 ^{2/}	72	652	52.1	11.9	5.1	56
1947 ^{4/}	30	54	8,700	87	758	113.7	15.0	6.6	120
1946 ^{4/}	30	53	7,200	106	761	152.2	15.0	7.0	159

1/ EXTRACTED, IN 5-GALLON CANS.

2/ 1948 HONEY VALUED AT 8.0 CENTS PER POUND; BEESWAX AT 43.0 CENTS, F.A.S. ISLAND PORT.

3/ DATA DELETED OR ROUNDED TO AVOID DISCLOSURE.

4/ REVISED ESTIMATES.

STATISTICS OF FRUITS, VEGETABLES, AND MISCELLANEOUS CROPS
Table 34.--Average Yield Per Acre of Specified Crops, 1948, 1947, and 1946

Commodity	Territory			Hawaii			Maui			Molokai			Oahu			Kauai		
	1948	1947	1946	1948	1947	1946	1948	1947	1946	1948	1947	1946	1948	1947	1946	1948	1947	1946
	1,000 pounds			1,000 pounds			1,000 pounds			1,000 pounds			1,000 pounds			1,000 pounds		
Fruits																		
Avocados	4.8	4.1	5.2	6.4	5.9	6.9	4.7	5.3	5.6	-	-	-	1.2	1.5	2.8	6.7	7.5	10.0
Bananas 1/	9.5	9.5	8.5	11.1	10.5	12.9	6.6	7.4	6.2	10.0	6.7	10.0	9.6	9.7	8.3	6.9	5.0	13.3
Oranges	-	-	-	-	13.8	13.0	-	-	-	-	-	-	-	-	-	-	-	-
Papayas	13.0	12.7	14.6	14.9	17.4	15.0	6.5	8.6	10.0	7.5	9.0	9.0	13.2	12.6	14.8	10.0	10.0	9.0
Tangerines	-	-	-	-	8.3	7.7	-	-	-	-	-	-	-	-	-	-	-	-
Vegetables																		
Beans, snap	7.0	7.6	7.7	7.8	9.5	7.6	6.5	6.0	5.7	6.7	8.0	8.0	6.5	7.2	8.1	8.3	8.2	10.7
Beets	12.3	12.2	15.9	13.3	12.1	19.4	15.0	15.0	15.0	-	-	-	10.8	10.8	12.6	-	-	-
Broccoli	4.7	4.3	6.1	4.6	4.6	4.2	7.5	5.6	7.8	-	-	-	3.8	3.6	7.1	-	-	-
Cabbage, head	13.6	12.5	13.9	14.4	12.9	13.4	13.6	12.3	15.1	10.0	-	8.0	13.8	12.6	11.9	8.9	9.8	11.2
Cabbage, oriental	9.8	9.3	12.6	10.4	7.4	9.8	11.3	11.2	13.1	-	-	6.7	9.0	10.1	14.2	8.3	8.1	11.2
Carrots	10.3	11.1	11.4	8.7	10.9	9.3	11.3	11.7	13.9	7.5	6.7	8.5	13.3	10.8	16.0	8.8	8.3	11.2
Cauliflower	6.6	7.0	6.8	5.0	4.1	5.0	7.0	8.2	6.7	-	-	5.0	7.1	6.8	7.8	-	-	-
Celery	31.2	40.9	42.9	35.0	46.3	54.4	20.0	26.0	32.8	-	-	-	25.0	37.5	34.1	-	-	35.0
Corn, green	4.5	4.42	5.7	4.8	5.0	5.9	4.3	4.5	3.3	-	-	3.8	4.3	4.2	5.9	5.8	4.8	6.3
Cucumbers	8.0	7.3	6.8	9.9	7.8	6.3	6.9	6.9	7.0	-	-	4.2	5.7	6.4	7.1	8.8	7.9	8.0
Daikon	12.9	13.8	14.4	12.0	12.5	12.7	15.9	18.2	16.7	-	-	10.0	15.2	15.7	17.5	12.5	-	16.3
Dasheens	10.7	9.1	8.2	11.7	10.0	7.8	13.3	10.0	10.0	-	-	-	7.5	5.7	7.7	11.7	15.8	11.3
Eggplant	13.4	12.6	16.2	11.4	11.3	14.4	13.3	12.0	13.6	12.5	9.5	11.7	14.3	14.8	19.5	12.0	12.5	16.0
Lettuce	9.2	8.9	9.1	9.3	8.8	9.2	6.5	7.1	6.7	-	-	8.0	10.9	10.5	12.0	6.3	-	7.5
Lotus root	6.4	-	-	-	-	-	10.0	-	-	-	-	-	6.3	9.0	8.2	-	-	-
Onions, dry	-	-	-	-	-	-	7.1	7.8	7.1	-	-	-	-	-	-	-	-	-
Onions, green	14.7	14.4	15.9	15.0	13.8	14.3	16.7	20.0	18.3	-	-	12.0	14.6	14.2	16.3	12.0	-	16.0
Peas (all types)	2.8	2.5	2.5	3.0	3.9	3.3	3.0	2.5	2.8	-	-	-	2.5	1.8	2.1	-	-	-
Peppers, sweet	6.6	6.2	7.3	7.1	6.5	7.3	6.7	5.7	7.1	-	-	-	5.6	6.1	8.1	7.1	6.2	6.3
Potatoes	5.8	6.0	6.0	6.8	8.0	5.9	5.5	5.6	5.9	5.7	5.0	-	-	-	8.3	-	-	10.0
Pumpkins	8.7	8.0	6.0	10.0	9.3	9.0	8.6	7.8	4.6	-	-	7.5	7.5	8.3	8.3	-	-	10.0
Rhubarb	-	-	15.7	15.0	15.0	15.8	-	-	15.0	-	-	-	-	-	-	-	-	-
Squash, summer & Italian	-	-	13.3	11.4	11.0	13.3	-	-	12.5	-	-	-	-	-	-	-	-	-

Table 34--Continued

Commodity	Territory			Hawaii			Maui			Molokai			Oahu			Kauai	
	1948	1947	1946	1948	1947	1946	1948	1947	1946	1948	1947	1946	1948	1947	1946	1948	1947
	1,000 pounds			1,000 pounds			1,000 pounds			1,000 pounds			1,000 pounds			1,000 pc	
<u>Vegetables--Contd.</u>																	
Sweetpotatoes.....	7.9	5.8	7.6	11.3	11.9	10.3	9.0	8.9	9.5	6.3	5.0	2.7	5.4	3/	6.1	8.8	3/
Taro (for mfr.).....	14.0	13.5	14.1	11.1	11.2	12.6	19.2	20.7	19.5	10.0	13.6	2.7	13.9	12.7	13.5	15.9	16.3
Tomatoes.....	9.8	10.2	11.8	11.8	11.6	12.9	9.0	10.0	12.1	8.3	9.0	5.8	9.3	9.5	11.3	11.8	10.4
Watercress.....	51.1	53.8	58.4	35.0	40.0	65.0	40.0	40.0	-	-	-	-	57.3	56.8	61.6	20.0	30.0
Watermelons.....	6.1	6.0	5.9	6.6	5.6	5.2	7.3	5.6	5.8	3.3	3.0	2.7	5.6	6.1	5.8	10.7	8.3
<u>Misc. crops</u>																	
Coffee, green.....	-	-	-	1.7	2.0	2.0	-	-	-	-	-	-	-	-	-	-	-
Corn, field 4/.....	1.1	1.1	1.0	1.0	1.1	1.0	1.5	0.9	1.2	-	-	0.6	-	-	-	-	-
Macadamia nuts 5/.....	0.7	0.8	1.0	0.8	0.9	1.0	4.2	3.3	1.7	-	-	-	0.3	0.3	0.2	0.4	0.4
Peanuts 5/.....	-	-	2.6	1.4	1.7	2.0	-	-	-	-	-	-	-	-	3.0	-	-
Rice, milled.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	4.1

1/ COOKING BANANAS NOT INCLUDED. 2/ REVISED ESTIMATES. 3/ PART OF CROP NOT HARVESTED. 4/ SHELLED. 5/ UNSHELLED.

Table 35.--Weighted Average, 1948 Wholesale Prices of Fruits, Vegetables and Miscellaneous Crops 1/

Commodity	Hawaii	Maui	Molokai	Oahu	Kauai
	Cents per pound				
<u>Fruits</u>					
Avocados.....	9.8	10.8	-	12.8	9.8
Bananas.....	4.8	5.0	5.0	6.5	5.0
Bananas, cooking.....	11.0	-	-	-	-
Mangos, cultivated.....	22.0	22.0	-	25.0	-
Oranges.....	8.5	-	-	-	-
Papayas.....	4.8	4.8	4.8	5.1	4.8
Tangerines.....	17.5	-	-	-	-
<u>Vegetables</u>					
Beans, snap.....	15.0	15.0	15.0	17.3	15.0
Beets.....	4.5	4.5	-	5.0	-

Table 35--Continued

Commodity	Hawaii	Maui	Molokai	Oahu	Kauai
	<u>Cents per pound</u>				
<u>Vegetables--Contd.</u>					
Broccoli.....	15.0	15.0	-	17.3	-
Burdock.....	30.0	30.0	-	32.8	-
Cabbage, head.....	4.8	4.8	4.8	6.2	4.8
Cabbage, oriental.....	10.0	10.0	-	12.0	10.5
Carrots.....	10.5	10.5	10.5	12.8	11.0
Cauliflower.....	15.0	15.0	-	16.6	-
Celery.....	13.5	13.5	-	15.6	-
Corn, green.....	7.0	7.0	7.0	8.4	7.0
Cucumbers.....	12.0	12.0	-	14.0	12.0
Daikon.....	4.5	4.5	-	5.4	4.5
Dasheens.....	15.0	15.0	-	18.9	15.0
Eggplant, long.....	9.5	9.5	9.5	11.0	9.5
Eggplant, round.....	5.5	-	-	6.5	-
Ginger root.....	18.0	18.0	-	-	18.0
Lettuce.....	12.5	12.5	-	14.6	12.5
Lotus root.....	-	24.0	-	26.8	-
Onions, dry.....	-	8.0	-	-	-
Onions, green.....	13.0	13.0	-	14.1	13.0
Peas (all types).....	47.0	47.0	-	47.2	-
Peppers, sweet.....	30.0	30.0	-	32.0	30.0
Potatoes.....	6.5	6.5	6.5	-	-
Pumpkins.....	7.5	7.5	-	9.1	-
Rhubarb.....	8.5	-	-	-	-
Squash, summer and Italian.....	15.0	-	-	-	-
Squash, misc.....	7.0	-	-	8.4	-
Sweetpotatoes.....	8.0	8.0	8.0	9.2	8.0
Taro (for mfr.).....	5.0	4.5	4.5	4.8	4.5
Tomatoes.....	15.0	15.0	15.0	16.5	15.0
Watercress.....	11.5	11.5	-	12.5	11.5
Watermelons.....	10.5	10.5	10.5	13.4	10.5
Yam bean root.....	12.0	-	-	13.5	11.8
<u>Miscellaneous crops</u>					
Beans, dry.....	-	21.5	-	-	-
Coffee, green.....	26.6	-	-	-	-
Corn, field (shelled).....	3.75	3.75	-	-	-

Table 35--Continued

Commodity	Hawaii	Maui	Molokai	Oahu	Kauai
	Cents per pound				
<u>Miscellaneous crops--Contd.</u>					
Macadamia nuts 2/.....	17.0	17.0	-	17.0	17.0
Peanuts, unshelled.....	27.5	-	-	-	-
Rice, milled.....	-	-	-	-	28.2

1/ WHOLESALE PRICES WEIGHTED FOR PERCENTAGE OF VARIOUS GRADES AND SEASONAL VOLUME OF MARKETING.

2/ UNSHELLED.

Table 36.--Acreage, Production, and Wholesale Value of Hawaiian Diversified Crops, 1948, 1947, and 1946 1/

Commodity	Acreage			Production			Value		
	1948	1947	1946	1948	1947	1946	1948	1947	1946
	Acres			1,000 pounds			1,000 dollars		
<u>Fruits 2/</u>									
Avocados.....	220	266	263	1,055	1,075	1,360	106	103	133
Bananas 3/.....	1,015	1,008	990	9,510	9,475	8,150	605	648	404
Mangos, cultivated.....	237	231	227	120	100	80	28	21	12
Oranges.....	25	25	25	500 4/	345	325	43 4/	10	25
Papayas.....	547	441	480	7,100	5,525	7,565	359	346	233
Tangerines.....	21	18	15	220 4/	150	115	39 4/	23	21
Total fruits.....	2,065	1,989	2,000	18,505	16,670	17,595	1,180	1,151	878
<u>Vegetables</u>									
Beans, snap.....	334	300	358	2,325	2,275	2,750	379	294	331
Beets 5/.....	11	16	21	135	195	333	6	8	14
Broccoli.....	47	64	65	220	275	395	35	41	59
Burdock.....	50	47	37	640	545	477	192	153	168
Cabbage, head.....	687	736	667	9,335	9,165	9,271	453	386	474
Cabbage, oriental.....	316	286	232	3,110	2,665	2,925	339	237	208
Carrots 5/.....	194	227	305	1,995	2,520	3,487	215	142	284
Cauliflower.....	47	76	121	310	530	825	48	65	129
Celery.....	17	22	38	530	900	1,630	70	101	224
Corn, green.....	296	329	457	1,165	1,290	2,630	89	86	185
Cucumbers.....	422	431	663	3,360	3,125	4,535	419	431	390
Daikon 5/.....	294	223	207	3,795	3,080	2,990	178	132	110
Dasheens.....	37	62	34	395	565	280	62	65	65
Eggplant.....	58	56	51	780	705	825	79	50	49

Table 36--Continued

Commodity	Acreage			Production			Value		
	1948	1947	1946	1948	1947	1946	1948	1947	1946
	acres			1,000 pounds			1,000 dollars		
<u>Vegetables--Contd.</u>									
Ginger root	27	29	23	765	870	550	137	154	101
Lettuce	314	313	428	2,875	2,785	3,895	374	263	435
Lotus root	44	43	45	280	385	370	74	108	93
Onions, dry	66	72	68	470	560	485	38	28	29
Onions, green	52	62	72	765	890	1,148	107	114	123
Peas (all types)	29	40	64	80	100	160	38	51	80
Peppers, sweet	59	76	79	390	470	580	119	94	116
Potatoes	89	73	165	520	440	995	34	22	50
Pumpkins	31	53	39	270	425	235	21	22	17
Rhubarb	2	6	7	30	90	110	3	2	9
Squash, summer and Italian	22	24	26	250	265	345	38	29	26
Squash, misc.	35	36	38	360	350	490	28	19	27
Sweetpotatoes	152	319	320	1,200	1,855	2,430	100	87	166
Taro (for manufacture)	1,015	930	800	14,195	12,615	11,480	697	814	568
Tomatoes	541	486	558	5,300	4,950	6,570	824	543	893
Watercress	28	26	23	1,430	1,400	1,344	178	174	119
Watermelons	849	703	633	5,135	4,195	3,705	644	589	807
Yam bean root	26	15	21	230	240	215	29	20	18
Other vegetables	-	-	51	-	-	230	-	-	15
Total vegetables	6,191	6,184	6,716	62,690	60,720	68,690	6,047	5,324	6,382
Total fruits and vegetables	8,256	8,173	8,716	81,195	77,390	86,285	7,227	6,475	7,260
<u>Miscellaneous crops</u>									
Beans, dry	17	12	20	25	20	20	5	4	4
Coffee, green	3,500	3,500	3,500	6,000 1/	6,990 6/	6,900	1,596 1/	1,825 6/	1,746
Corn, shelled	560	787	789	625	855	755	24	43	35
Macadamia nuts, unshelled	1,088	910	774	755	680	630	128	117	95
Peanuts, unshelled	11	14	18	15	15	45	4	3	9
Rice, milled	163	217	182	555	890 6/	570 6/	157	167	137
Total miscellaneous crops	5,339	5,440	5,334	7,975	9,450	8,920	1,914	2,159	2,026
Total diversified crops	13,595	13,613	14,050	89,170	86,840	95,205	9,141	8,634	9,286

1/ ACREAGE FOR SHORT-TERM CROPS CONSISTS OF PLANTINGS THAT WOULD NORMALLY BE HARVESTED IN 1940. ACREAGE OF TREE AND LONG-TERM CROPS IS AVERAGE ACREAGE DURING THE 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/ REVISED ESTIMATES. 7/ PRELIMINARY ESTIMATE FOR 1940-49 CROP.

TABLE 37.--ACREAGE, PRODUCTION, AND WHOLESALE VALUE OF HAWAIIAN DIVERSIFIED CROPS, BY ISLAND OF ORIGIN 1/
WITH COMPARISONS FOR 1947 AND 1946

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	1,000		1,000	1,000		1,000	1,000		1,000	1,000		1,000	1,000
		POUNDS	DOLLARS		POUNDS	DOLLARS		POUNDS	DOLLARS		POUNDS	DOLLARS		POUNDS	DOLLARS
FRUITS															
AVOCADOS	134	860	84.0	18	85	9.0	2	-	-	60	70	9.0	6	40	4.0
BANANAS	43	500	24.0	64	425	21.0	2	20	1.0	874	8,400	546.0	13	90	5.0
BANANAS, COOKING	17	75	8.0	-	-	-	-	-	-	-	-	-	-	-	-
MANGOS, CULTIVATED	5	30	7.0	122	60	13.0	80	-	-	27	30	8.0	3	-	-
ORANGES	25	500 2/	43.0 2/	-	-	-	-	-	-	-	-	-	-	-	-
PAPAYAS	37	550	26.0	16	85	4.0	2	15	1.0	485	6,380	325.0	7	70	3.0
TANGERINES	21	220 2/	39.0 2/	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL FRUITS 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
1946	243	2,125	161.0	208	615	36.0	84	28	1.0	1,445	14,570	667.0	20	255	13.0
VEGETABLES															
BEANS, SNAP	69	540	81.0	37	240	36.0	3	20	3.0	195	1,275	221.0	30	250	38.0
BEETS 3/	3	40	2.0	2	30	1.0	-	-	-	6	65	3.0	-	-	-
BROCCOLI	13	60	9.0	8	60	9.0	-	-	-	26	100	17.0	-	-	-
BURDOCK	43	580	174.0	6	50	15.0	-	-	-	1	10	3.0	-	-	-
CABBAGE, HEAD	170	2,450	116.0	445	6,050	290.0	2	20	1.0	39	540	33.0	31	275	13.0
CABBAGE, ORIENTAL	81	840	84.0	68	770	77.0	-	-	-	155	1,400	168.0	12	100	10.0
CARROTS 3/	76	660	69.0	93	1,050	110.0	2	15	2.0	15	200	26.0	8	70	8.0
CAULIFLOWER	10	50	8.0	30	210	32.0	-	-	-	7	50	8.0	-	-	-
CELERY	12	420	54.0	3	60	8.0	-	-	-	2	50	8.0	-	-	-
CORN, GREEN	25	120	8.0	64	275	19.0	44	30	2.0	139	600	50.0	24	140	10.0
CUCUMBERS	175	1,740	209.0	68	470	56.0	-	-	-	139	800	112.0	40	350	42.0
DAIKON 3/	216	2,600	117.0	22	350	16.0	-	-	-	54	820	44.0	2	25	1.0
DASHEENS	18	210	32.0	3	40	6.0	-	-	-	10	75	14.0	6	70	10.0
EGGPLANT	7	80	8.0	3	40	4.0	8	100	11.0	35	500	49.0	5	60	7.0
GINGER ROOT	22	635	114.0	4	80	14.0	-	-	-	-	-	-	1	50	9.0
LETTUCE	200	1,850	231.0	46	300	38.0	-	-	-	64	700	102.0	4	25	3.0
LOTUS ROOT	-	-	-	1	10	2.0	-	-	-	43	270	72.0	-	-	-
ONIONS, DRY	-	-	-	66	470	38.0	-	-	-	-	-	-	-	-	-
ONIONS, GREEN	6	90	12.0	3	50	7.0	-	-	-	41	600	85.0	2	25	3.0
PEAS, (ALL TYPES)	3	10	5.0	10	30	14.0	-	-	-	16	40	19.0	-	-	-
PEPPERS, SWEET	21	150	45.0	6	40	12.0	-	-	-	18	100	32.0	14	100	30.0
POTATOES	22	150	10.0	60	330	21.0	7	40	3.0	-	-	-	-	-	-
PUMPKINS	9	90	7.0	14	120	9.0	-	-	-	8	60	5.0	-	-	-
RHUBARB	2	30	3.0	-	-	-	-	-	-	-	-	-	-	-	-
SQUASH, SUM. & ITALIAN	22	250	38.0	-	-	-	-	-	-	-	-	-	-	-	-
SQUASH, MISC.	20	180	13.0	-	-	-	-	-	-	15	180	15.0	-	-	-
SWEET POTATOES	40	450	36.0	20	180	14.0	4	25	2.0	68	370	34.0	20	175	14.0
TARO (FOR MFR.)	238	2,650	159.0	82	1,575	71.0	23	230	10.0	462	6,400	307.0	210	3,340	150.0
TOMATOES	72	850	128.0	195	1,750	263.0	6	50	8.0	200	1,850	305.0	68	800	120.0
WATERCRESS	2	70	8.0	1	40	5.0	-	-	-	22	1,260	158.0	3	60	7.0
WATERMELONS	68	450	47.0	140	1,025	108.0	3	10	1.0	610	3,400	456.0	28	300	32.0

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	1,000		1,000	1,000		1,000	1,000		1,000	1,000		1,000	1,000
		POUNDS	DOLLARS		POUNDS	DOLLARS		POUNDS	DOLLARS		POUNDS	DOLLARS		POUNDS	DOLLARS
VEGETABLES--CONTD.															
YAM BEAN ROOT.....	2	50	6.0	-	-	-	-	-	-	8	80	11.0	16	100	12.0
TOTAL VEGETABLES 1948.....	1,667	18,345	1,899.0	1,500	13,695	1,295.0	102	540	43.0	2,398	21,795	2,357.0	524	6,315	519.0
1947.....	1,985	20,930	1,756.0	1,317	13,325	969.0	95	521	37.0	2,336	20,790	2,154.0	451	5,155	408.0
1946.....	2,248	23,008	1,991.0	1,372	14,304	1,202.0	108	700	66.0	2,426	24,327	2,576.0	562	6,351	547.0
TOTAL FRUITS AND VEGETABLES 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	183	559	39.0	3,743	34,440	3,088.0	474	5,285	416.0
1946.....	2,491	25,133	2,152.0	1,580	14,919	1,238.0	192	728	67.0	3,871	38,897	3,243.0	582	6,606	560.0
MISCELLANEOUS CROPS															
BEANS, DRY.....	-	-	-	17	25	5.0	-	-	-	-	-	-	-	-	-
COFFEE, GREEN.....	3,500	6,000 4/	1,596.0 4/	-	-	-	-	-	-	-	-	-	-	-	-
CORN, FIELD (SHELLED).....	460	475	18.0	100	150	6.0	-	-	-	-	-	-	-	-	-
MACADAMIA NUTS 5/.....	730	600	102.0	6	25	4.0	2	-	-	123	30	5.0	227	100	17.0
PEANUTS, UNSHELLED.....	11	15	4.0	-	-	-	-	-	-	-	-	-	-	-	-
RICE, MILLED.....	-	-	-	-	-	-	-	-	-	-	-	-	163	555	157.0
TOTAL MISCELLANEOUS CROPS 1948.....	4,701	7,090	1,720.0	123	200	15.0	2	-	-	123	30	5.0	390	655	174.0
1947.....	4,784	8,293	1,962.0	187	190	16.0	2	-	-	114	30	5.0	353	939	176.0
1946.....	4,631	7,861	1,837.0	136	165	12.0	177	100	5.0	124	50	9.0	266	745	163.0
TOTAL DIVERSIFIED CROPS 1948.....	6,652	28,170	3,784.0	1,843	16,550	1,357.0	190	575	45.0	3,967	36,705	3,250.0	943	7,170	705.0
1947.....	7,036	31,468	3,877.0	1,708	14,120	1,033.0	185	559	39.0	3,857	34,470	3,093.0	827	6,224	592.0
1946.....	7,122	32,994	3,989.0	1,716	15,084	1,250.0	369	828	72.0	3,995	38,947	3,252.0	848	7,351	723.0

1/ ACREAGE FOR SHORT-TERM CROPS CONSISTS OF PLANTINGS THAT WOULD NORMALLY BE HARVESTED IN 1948. ACREAGE OF TREE AND LONG-TERM CROPS IS AVERAGE ACREAGE DURING THE 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/ INCLUDES PRODUCTION FROM SOME NON-COMMERCIAL ACREAGE.

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

4/ PRELIMINARY ESTIMATE FOR 1948-49 CROP.

5/ UNSHELLED.

Table 38.--Summary of 1948 Estimated Hawaiian Fruit and Vegetable Production
by Commodities and Months with Comparisons for 1947 and 1946

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total		
													1948	1947	1946

1/ INCLUDES PRODUCTION FROM SOME NON-COMMERCIAL ACREAGE.

Table 38--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total		
													1948	1947	1946
	1,000 pounds														
Vegetables--Contd.															
Potatoes.....	19	14	55	105	74	41	45	32	36	34	35	30	520	440	995
Pumpkins.....	4	9	5	6	26	47	23	14	8	33	78	17	270	425	235
Rhubarb.....	2	3	5	3	3	3	2	2	1	1	3	2	30	90	110
Squash, sum. & It.....	10	10	20	20	40	10	35	20	10	20	30	25	250	265	345
Squash, misc.....	37	45	20	3	6	35	42	22	23	50	44	33	360	350	490
Sweetpotatoes.....	89	77	109	87	114	106	66	86	97	116	126	127	1200	1855	2430
Taro (for mfr.).....	975	1000	1175	1090	1331	1145	1348	1323	1323	1265	1095	1125	14195	12615	11480
Tomatoes.....	355	321	274	411	495	535	388	287	352	571	701	610	5300	4950	6570
Watercress.....	122	118	134	139	135	126	131	106	110	108	98	103	1430	1400	1344
Watermelons.....	10	-	-	171	797	1504	1232	466	325	300	355	25	5185	4195	3705
Yam bean root.....	23	24	15	18	22	16	17	11	16	19	22	27	230	240	215
Other vegetables.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	230
Total veg. 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	
1946.....	5858	5459	5340	5905	7043	7089	6727	5591	5100	5133	4734	4711			68690
Total fruits and vegetables 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	
1946.....	7172	6743	6651	7317	8459	8607	8393	7191	6577	6737	6291	6145			86285

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, 1948
with Comparisons for 1947 and 1946, by Commodities and Origin

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l		
													1948	1947	1946
<u>Fruits</u>	<u>1,000 pounds</u>														
Avocados															
Hawaii	75	75	90	70	65	40	45	40	90	100	100	70	860	790	905
Maui	12	8	8	5	8	6	10	4	4	8	6	6	85	95	95
Oahu	10	8	5	2	4	2	8	10	8	6	3	4	70	160	310
Kauai	2	2	3	5	2	3	3	8	2	3	3	4	40	30	50
Total 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	
1946	144	103	134	97	80	60	125	140	108	128	106	135			1360
Bananas															
Hawaii	35	35	40	40	40	45	45	45	45	45	45	40	500	485	530
Maui	25	25	30	40	35	30	50	45	50	35	30	30	425	390	310
Molokai	2	2	2	2	1	1	1	1	2	2	2	2	20	20	10
Oahu	650	650	700	690	700	720	720	720	740	730	710	670	8400	8445	7085
Kauai	4	5	5	5	5	6	10	10	10	10	10	10	90	60	160
Total 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	
1946	639	653	454	496	569	646	666	706	776	846	818	826			8095
Bananas, cooking															
Hawaii 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	
1946	4	4	4	4	5	5	5	5	5	5	4	5			55
Mangos, cultivated															
Hawaii	-	-	-	2	4	10	12	2	-	-	-	-	30	-	-
Maui	-	-	-	-	-	5	30	20	5	-	-	-	60	60	50
Oahu	-	-	-	5	5	10	10	-	-	-	-	-	30	40	30
Total 1948	-	-	-	7	9	25	52	22	5	-	-	-	120		
1947	-	-	-	5	5	22	55	13	-	-	-	-		100	
1946	-	-	-	-	6	25	30	12	6	1	-	-			80

Table 39.--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l		
													1948	1947	1946
<u>Fruits--Contd.</u>	<u>1,000 pounds</u>														
<u>Oranges</u>															
Hawaii 1948.....	30	15	5	2	2	2	-	4	50	170	180	40	500 1/		
1947.....	8	1	3	-	-	-	-	8	25	50	150	100		345	
1946.....	10	2	2	-	-	-	1	5	40	65	160	40			325
<u>Papayas</u>															
Hawaii.....	40	40	45	45	45	50	50	45	45	45	50	50	550	400	195
Maui.....	5	4	6	6	8	8	10	8	8	8	8	6	85	60	180
Molokai.....	1	1	1	1	2	2	2	1	1	1	1	1	15	20	20
Oahu.....	440	410	680	620	525	640	525	425	470	570	575	500	6380	5005	7125
Kauai.....	4	4	5	5	5	6	8	8	8	6	6	5	70	40	45
Total 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	
1946.....	510	521	716	814	756	782	839	732	542	544	424	383			7565
<u>Tangerines</u>															
Hawaii 1948.....	25	10	3	2	-	-	-	-	-	10	80	90	220 1/		
1947.....	25	10	5	-	-	-	1	2	2	15	50	40		150	
1946.....	7	1	1	1	-	-	-	-	-	15	45	45			115
<u>Vegetables</u>															
<u>Beans, snap</u>															
Hawaii.....	40	45	50	35	40	40	55	60	45	45	45	40	540	615	615
Maui.....	10	5	6	16	18	15	25	50	25	35	15	20	240	245	330
Molokai.....	2	2	1	1	2	2	2	1	1	2	2	2	20	15	40
Oahu.....	90	60	135	160	100	100	110	110	120	100	90	100	1275	1195	1605
Kauai.....	10	5	30	15	25	30	35	10	15	25	20	30	250	205	160
Total 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	
1946.....	238	168	189	274	340	279	184	194	234	236	197	217			2750

1/ INCLUDES PRODUCTION FROM SOME NON-COMMERCIAL ACREAGE.

Table 39.--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l		
													1948	1947	1946
Vegetables--Contd.	1,000 pounds														
Beets ^{1/}															
Hawaii	2	3	6	8	4	5	5	2	2	1	1	1	40	85	155
Maui	3	4	5	3	3	2	2	2	1	1	2	2	30	45	90
Oahu	6	5	6	5	6	6	5	5	5	6	5	5	65	65	88
Total 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	
1946	23	48	26	26	55	50	23	15	14	24	16	13			333
Broccoli															
Hawaii	2	2	2	8	5	6	5	5	5	8	6	6	60	125	105
Maui	10	6	8	18	6	2	1	1	1	1	1	5	60	50	55
Oahu	8	8	4	8	8	8	8	10	10	10	10	8	100	100	235
Total 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	
1946	25	27	39	55	50	44	33	41	23	20	18	20			395
Burdock															
Hawaii	25	35	50	35	40	45	55	40	45	50	60	100	580	440	380
Maui	5	10	6	5	3	4	4	4	2	2	3	2	50	85	80
Oahu	1	1	1	-	1	1	-	-	1	1	2	1	10	20	17
Total 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	
1946	24	35	31	33	36	34	44	46	49	41	42	62			477
Cabbage, head															
Hawaii	180	140	170	180	160	180	220	260	330	240	250	140	2450	3925	4675
Maui	420	390	430	500	470	550	530	580	500	550	580	550	6050	4270	3880
Molokai	2	4	2	1	1	1	1	1	1	2	2	2	20	-	16
Oahu	60	30	35	40	35	80	60	35	40	50	35	40	540	655	430
Kauai	20	20	40	15	25	35	40	10	15	5	15	35	275	315	270
Total 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	
1946	1068	973	828	972	1112	856	831	463	536	533	483	616			9271

1/ 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		
													1948	1947	1946
<u>Vegetables--Contd.</u>	<u>1,000 pounds</u>														
Cabbage, oriental															
Hawaii	110	70	80	40	50	50	70	120	80	60	50	60	840	715	640
Maui	65	50	40	160	165	50	30	70	85	65	50	40	770	505	605
Oahu	120	100	100	125	110	90	100	130	130	110	150	135	1400	1380	1615
Kauai	8	2	8	8	8	12	12	10	10	16	4	2	100	65	45
Total 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	
1946	297	256	298	294	280	139	197	146	215	254	261	288			2925 1/
Carrots 2/															
Hawaii	50	55	45	30	35	70	75	45	45	60	100	50	660	990	1580
Maui	70	90	120	110	110	50	60	50	70	110	120	90	1050	1125	1605
Molokai	1	1	1	1	1	1	3	2	1	1	1	1	15	20	17
Oahu	15	15	20	20	30	25	20	15	10	10	10	10	200	335	240
Kauai	2	2	5	12	10	10	12	6	5	2	2	2	70	50	45
Total 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	
1946	173	207	282	395	423	412	308	368	281	246	189	203			3487
Cauliflower															
Hawaii	2	2	8	4	6	2	2	2	6	10	4	2	50	70	85
Maui	50	25	25	18	30	10	8	3	4	6	16	15	210	345	340
Oahu	4	2	1	1	2	2	10	6	2	2	8	10	50	115	380
Total 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	
1946	115	104	77	124	46	54	30	44	34	30	82	85			825 1/
Celery															
Hawaii	25	20	20	30	40	60	70	40	40	50	15	10	420	695	925
Maui	5	8	8	5	8	6	2	2	10	2	2	2	60	130	295
Oahu	-	-	4	15	25	2	2	-	-	-	-	2	50	75	375
Total 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	
1946	190	175	220	200	175	165	140	120	80	70	47	48			1630 3/

1/ INCLUDING PRODUCTION FROM MOLOKAI.

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

3/ INCLUDING PRODUCTION FROM KAUAI.

Table 39.--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l		
													1948	1947	1946
<u>Vegetables--Contd.</u>	<u>1,000 pounds</u>														
Corn, green															
Hawaii	16	30	5	8	6	8	5	8	10	12	10	2	120	140	370
Maui	12	40	75	35	25	25	3	10	8	20	12	10	275	190	130
Molokai	-	-	-	5	10	15	-	-	-	-	-	-	30	20	25
Oahu	50	50	25	25	50	60	30	25	40	100	65	80	600	810	1385
Kauai	15	25	10	5	10	10	15	10	10	10	10	10	140	130	720
Total 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	
1946	134	196	250	210	212	242	224	282	192	270	270	148			2630
Cucumbers															
Hawaii	60	90	140	80	90	110	190	210	290	170	190	120	1740	1590	1685
Maui	5	5	30	35	50	50	90	40	50	25	50	40	470	490	865
Oahu	50	30	80	130	90	80	50	20	70	80	60	60	800	770	1365
Kauai	60	20	20	30	75	20	30	30	15	10	10	30	350	275	570
Total 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	
1946	169	170	203	309	660	613	585	478	444	337	300	267			4535 1/2
Daikon 2/															
Hawaii	220	190	230	250	220	220	210	200	210	200	230	220	2600	1855	1570
Maui	35	35	25	25	40	35	20	20	20	30	25	40	350	345	350
Oahu	75	50	55	75	65	75	60	65	75	75	75	75	820	880	995
Kauai	2	2	2	3	2	2	2	2	2	2	2	2	25	-	65
Total 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	
1946	268	234	247	273	315	243	212	207	232	288	220	251			2990 1/2

1/ INCLUDING PRODUCTION FROM MOLOKAI.

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		
													1948	1947	1946
<u>Vegetables--Contd.</u>	<u>1,000 pounds</u>														
Dasheens															
Hawaii	14	25	15	12	6	15	16	15	16	25	16	35	210	310	125
Maui	3	2	3	2	6	4	4	4	5	2	2	3	40	40	10
Oahu	4	5	6	3	5	5	6	8	5	10	10	8	75	120	100
Kauai	2	4	2	3	3	2	4	10	18	12	4	6	70	95	45
Total 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	
1946	18	10	8	5	16	15	19	16	23	66	43	41			280
Eggplant															
Hawaii	6	6	7	8	6	6	8	6	10	9	4	4	80	135	115
Maui	2	1	1	3	1	2	4	5	6	5	5	5	40	60	95
Molokai	6	4	4	6	5	6	12	15	16	12	8	6	100	105	105
Oahu	45	25	30	35	45	50	55	45	45	50	35	40	500	355	430
Kauai	2	2	2	2	3	4	5	10	8	8	12	2	60	50	80
Total 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	
1946	67	43	33	47	45	66	90	96	96	78	92	72			825
Ginger root															
Hawaii	50	45	55	45	40	55	60	60	55	45	75	50	635	740	425
Maui	10	5	8	8	8	6	4	5	3	5	8	10	80	90	50
Kauai	8	1	5	1	1	2	4	2	10	4	4	8	50	40	60
Total 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	
1946	61	42	40	40	53	18	30	83	37	55	50	41			550 1/2
Lettuce															
Hawaii	160	110	110	110	200	250	290	150	160	130	70	110	1850	1910	2750
Maui	25	25	40	45	40	20	15	10	10	25	25	20	300	275	490
Oahu	60	50	55	60	50	60	60	55	50	65	75	60	700	600	625
Kauai	1	3	2	2	3	3	3	2	2	2	1	1	25	-	30
Total 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	
1946	570	396	283	405	466	341	286	196	267	251	197	237			3895

1/ INCLUDING PRODUCTION FROM OAHU.

Table 39.--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l		
													1948	1947	1946
<u>Vegetables--Contd.</u>	<u>1,000 pounds</u>														
Lotus root															
Maui	1	1	1	-	-	-	1	1	1	1	1	2	10	-	-
Oahu	35	25	10	2	2	2	2	12	30	40	50	60	270	385	370
Total 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	
1946	30	20	15	1	2	2	2	3	90	85	45	75			370
Onions, dry															
Maui 1948	-	5	10	40	80	70	70	70	100	20	5	-	470		
1947	-	-	-	15	55	120	150	130	90	-	-	-		560	
1946	-	-	-	2	35	130	140	120	45	8	3	2			485
Onions, green															
Hawaii	8	5	6	6	5	8	8	6	10	12	10	6	90	110	215
Maui	3	4	10	5	4	3	4	3	2	4	4	4	50	40	55
Oahu	55	50	45	40	50	50	50	50	50	55	55	50	600	740	850
Kauai	2	2	2	3	2	2	2	2	2	2	2	2	25	-	16
Total 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	
1946	92	71	106	145	128	93	117	104	86	76	70	60			1148 1/2
Peas (all types)															
Hawaii	1	-	1	1	1	1	1	1	1	1	-	1	10	35	30
Maui	2	3	3	5	4	2	3	2	2	2	1	1	30	30	60
Oahu	2	2	4	5	8	4	1	1	3	2	3	5	40	35	70
Total 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	
1946	11	8	5	18	26	18	11	14	14	13	14	8			160
Peppers, sweet															
Hawaii	10	6	5	3	5	8	18	20	20	25	18	12	150	170	175
Maui	1	1	1	1	2	2	2	4	12	10	3	1	40	80	85
Oahu	4	4	10	18	10	12	8	2	2	8	12	10	100	115	220
Kauai	8	6	8	6	10	10	3	2	3	16	14	14	100	105	100
Total 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	
1946	30	30	26	28	56	57	87	65	68	61	43	29			580

1/ INCLUDING PRODUCTION FROM MOLOKAI.

Table 39.--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l		
													1948	1947	1946
Vegetables--Contd.	1,000 pounds														
Potatoes															
Hawaii	4	4	5	35	30	10	20	12	6	4	10	10	150	120	330
Maui	15	10	50	40	40	25	25	20	30	30	25	20	330	300	595
Molokai	-	-	-	30	4	6	-	-	-	-	-	-	40	20	-
Total 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	
1946	67	117	146	86	120	166	99	75	36	27	25	31			995 1/
Pumpkins															
Hawaii	1	2	1	1	1	1	1	1	1	12	60	8	90	65	45
Maui	1	3	4	2	20	40	10	10	2	15	8	5	120	310	115
Oahu	2	4	-	3	5	6	12	3	5	6	10	4	60	50	50
Total 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	
1946	15	12	4	11	24	30	35	18	19	27	27	13			235 2/
Rhubarb															
Hawaii 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	
1946 3/	7	8	14	12	14	11	9	10	9	7	4	5			110
Squash, Summer & Italian															
Hawaii 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	
1946 3/	11	5	11	13	25	71	85	45	28	22	11	18			345
Squash, misc.															
Hawaii	25	35	20	2	-	-	2	8	8	25	30	25	180	180	120
Oahu	12	10	-	1	6	35	40	14	15	25	14	8	180	170	275
Total 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	
1946	43	25	16	25	30	59	83	62	46	50	35	16			490 4/

1/ INCLUDING PRODUCTION FROM OAHU AND KAUAI.

2/ INCLUDING PRODUCTION FROM KAUAI AND MOLOKAI.

3/ INCLUDING PRODUCTION FROM MAUI.

4/ INCLUDING PRODUCTION FROM MOLOKAI.

Table 39.--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l		
													1948	1947	1946
Vegetables--Contd.	1,000 pounds														
Sweetpotatoes															
Hawaii	40	35	60	30	50	40	20	20	25	40	40	50	450	1060	1095
Maui	6	6	6	10	20	35	15	12	15	20	30	5	180	125	95
Molokai	2	2	2	2	2	1	1	1	5	4	1	2	25	20	35
Oahu	35	20	25	20	30	25	25	35	40	40	35	40	370	555	1035
Kauai	6	14	16	25	12	5	5	18	12	12	20	30	175	95	170
Total 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	
1946	179	152	164	215	168	237	165	212	303	256	199	180			2430
Taro (for mfr.)															
Hawaii	185	180	190	200	215	250	230	250	250	255	235	210	2650	2490	2190
Maui	105	105	130	100	300	100	130	125	120	130	120	110	1575	1305	975
Molokai	30	15	15	15	16	15	18	18	18	20	20	30	230	245	95
Oahu	325	450	565	465	500	515	660	650	625	610	520	515	6400	5800	6135
Kauai	330	250	275	310	300	265	310	280	310	250	200	260	3340	2775	2085
Total 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	
1946	1310	1390	1210	950	729	809	899	764	734	753	1014	918			11480
Tomatoes															
Hawaii	130	100	80	80	60	70	50	40	40	40	60	100	850	1095	1365
Maui	80	65	60	125	100	180	120	85	160	350	250	175	1750	1755	2005
Molokai	5	6	4	6	5	5	8	2	2	1	1	5	50	45	75
Oahu	100	100	70	140	230	200	160	90	110	140	300	210	1850	1535	1920
Kauai	40	50	60	60	100	80	50	70	40	40	90	120	800	520	1205
Total 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	
1946	457	376	376	562	982	956	545	375	315	578	551	497			6570

Table 39.--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	T o t a l		
													1948	1947	1946
<u>Vegetables--Contd.</u>	<u>1,000 pounds</u>														
Watercress															
Hawaii	5	5	6	6	6	6	6	6	6	6	6	6	70	80	65
Maui	3	3	3	3	4	4	4	4	3	3	3	3	40	40	24
Oahu	110	105	120	125	120	110	115	90	95	95	85	90	1260	1250	1170
Kauai	4	5	5	5	5	6	6	6	6	4	4	4	60	30	85
Total 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	
1946	100	101	127	117	124	122	107	108	110	98	108	122			1344
Watermelons															
Hawaii	5	-	-	10	40	50	150	60	25	70	40	-	450	775	610
Maui	-	-	-	140	325	200	310	5	30	10	5	-	1025	490	440
Molokai	-	-	-	1	2	4	2	1	-	-	-	-	10	30	70
Oahu	5	-	-	20	400	1200	700	350	230	170	300	25	3400	2650	2205
Kauai	-	-	-	-	30	50	70	50	40	50	10	-	300	250	380
Total 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	
1946	-	-	-	25	247	725	1065	795	420	260	63	105			3705
Yam bean root															
Hawaii	4	12	4	4	3	2	3	3	3	3	4	5	50	55	30
Oahu	4	6	6	6	3	8	6	3	8	10	10	10	80	30	30
Kauai		6	5	8	16	6	8	5	5	6	8	12	100	155	155
Total 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	
1946	13	18	32	26	30	20	20	8	11	6	10	21			215

Table 39.--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total		
													1948	1947	1946
Miscellaneous Crops	1,000 pounds														
Beans, dry...															
Maui 1948	2	-	3	2	2	2	-	3	2	4	3	2	25		
1947	1	-	-	-	-	-	1	2	1	2	5	8		20	
Corn, shelled 1/															
Hawaii	100	10	20	10	10	40	5	5	25	40	200	10	475	705	515
Maui	5	5	30	50	20	10	10	5	4	4	5	2	150	150	135
Total 1948	105	15	50	60	30	50	15	10	29	44	205	12	625		
1947	90	-	35	26	125	100	85	45	95	70	104	80		855	
1946	70	65	5	20	215	20	100	100	5	55	5	95			755
Macadamia nuts, unshelled															
Hawaii	45	50	30	30	40	60	70	65	60	55	50	45	600	580	430
Maui	2	2	2	2	2	2	2	2	2	2	3	2	25	20	10
Oahu	3	4	3	3	3	3	3	1	1	2	2	2	30	30	20
Kauai	15	10	5	8	8	4	4	6	10	10	10	10	100	50	170
Total 1948	65	66	40	43	53	69	79	74	73	69	65	59	755		
1947	58	48	43	39	37	55	67	77	75	70	60	51		680	
1946	30	20	20	35	30	43	120	68	73	78	65	48			630
Peanuts, unshelled															
Hawaii 1948	1	1	-	-	-	-	1	1	4	3	2	2	15		
1947	-	1	2	1	1	1	3	-	2	2	3	1		15	
1946	-	-	-	-	1	1	1	5	6	1	1	-			45 2/

1/ CORN DATA INCLUDES MOLOKAI AND KAUAI PRODUCTION IN 1946; MOLOKAI AND KAUAI OMITTED FROM 1947 AND 1948.

2/ INCLUDING PRODUCTION FROM OAHU.