

Agricultural Statistician
University of Hawaii
Honolulu 14, Hawaii

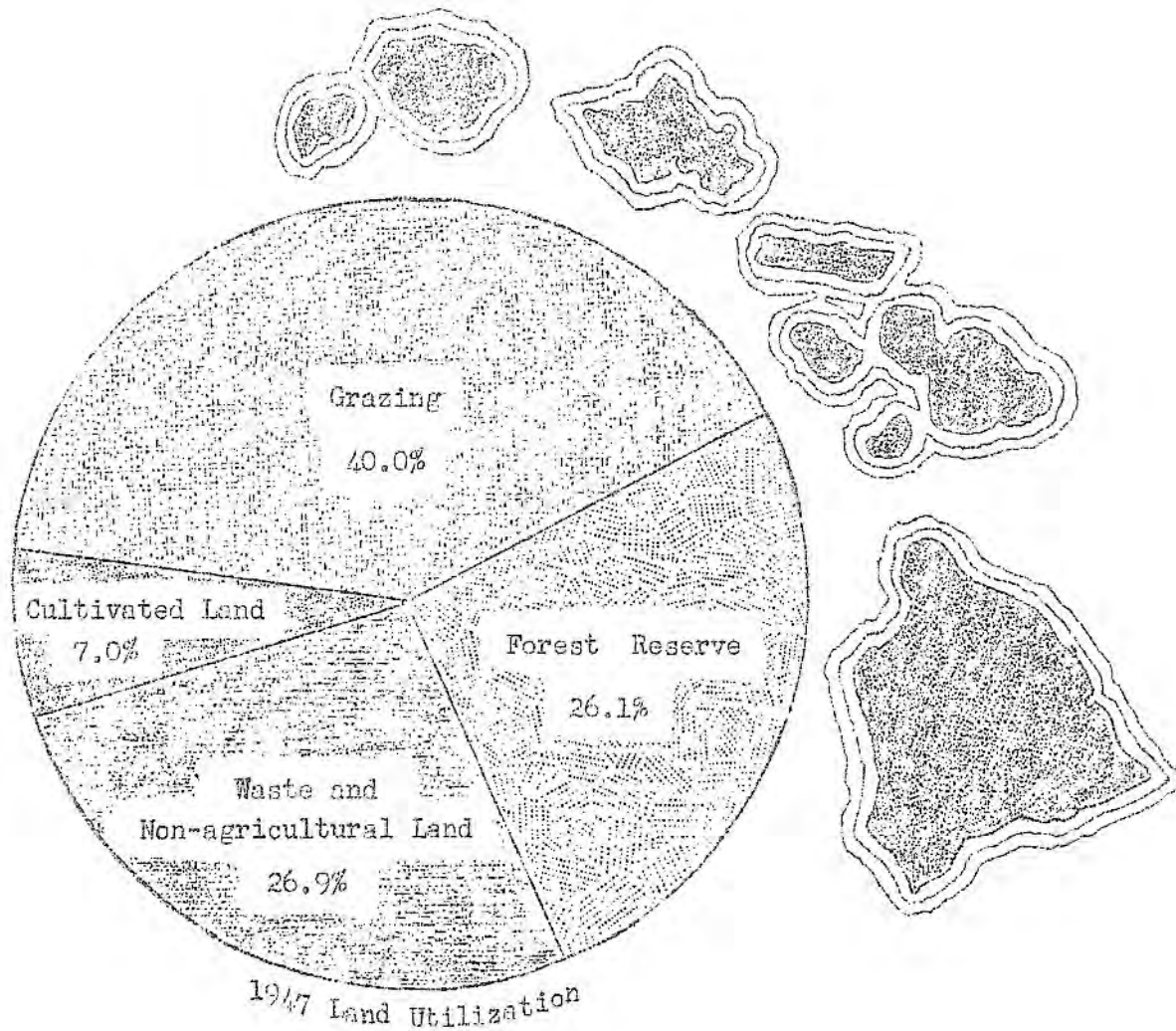
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STATISTICS OF DIVERSIFIED AGRICULTURE IN HAWAII



Agricultural Economics Section
Ralph Elliott, Extension Economist

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DIVERSIFIED AGRICULTURE IN 1947

LAND UTILIZATION

LAND UTILIZATION TOTALS AT THE END OF 1947 SHOWED LITTLE CHANGE FROM THE PREVIOUS YEAR. LAND USED FOR AGRICULTURE AND FOREST RESERVES WAS 73 PERCENT OF THE TOTAL LAND AREA. BALANCE WAS WASTELAND, CITIES, TOWNS, ROADS, AND MILITARY RESERVATIONS.

RANGE LANDS FOR BEEF AND SHEEP OCCUPIED 40 PERCENT OF LAND AREA, FOREST RESERVE LANDS 26 PERCENT. CULTIVATED CROP LAND AMOUNTED TO 7 PERCENT. AS CULTIVATED CROPS PRODUCE APPROXIMATELY 90 PERCENT OF AGRICULTURAL INCOME, THE INTEREST OF MOST PLANNERS CENTERS AROUND INCREASING THE ACREAGE IN CULTIVATED CROPS. ESTIMATED TOTAL POTENTIAL ACREAGE FOR CULTIVATED CROPS IS 10 PERCENT. HOWEVER, BY THE USE OF A VARIETY OF CROPS, SUCH AS MACADAMIA NUTS, AND MANGOS FOR QUICK FREEZING, THE POTENTIAL ACREAGE MAY BE LARGER.

TERRITORIAL ACREAGE IN CULTIVATED CROPS WAS 287,210 ACRES IN 1947, COMPARED TO 287,440 ACRES IN 1946 AND 290,000 IN 1945. IN 1947 CULTIVATED ACREAGE CONSISTED OF 205,293 ACRES OF SUGAR CANE, 68,000 ACRES OF PINEAPPLES, AND 13,917 ACRES OF DIVERSIFIED CROPS. SUGAR CANE ACREAGE HAS DECREASED 6,038 ACRES SINCE 1945, LARGELY AS THE RESULT OF THREE OF THE SMALLER PLANTATIONS GOING OUT OF BUSINESS. DURING THE COMING YEAR SUGAR ACREAGE IS EXPECTED TO INCREASE SLIGHTLY AS FIELDS THAT HAD BEEN TEMPORARILY ABANDONED FOR VARIOUS REASONS ARE NOW BEING BROUGHT BACK INTO CULTIVATION. PINEAPPLE ACREAGE HAS INCREASED BY APPROXIMATELY 6,000 ACRES SINCE 1945 AND WILL EXPAND FURTHER IF MORE LAND ADAPTED TO THE CROP CAN BE ACQUIRED.

THE 1947 TOTAL ACREAGE OF DIVERSIFIED CROPS WAS 2,750 ACRES LESS THAN IN 1945, REFLECTING AN ADJUSTMENT FROM WAR CONDITIONS. ACREAGE DECREASE IN THE DIVERSIFIED GROUP CAME MAINLY IN THOSE TRUCK CROPS THAT MET MOST ACTIVE COMPETITION FROM MAINLAND IMPORTS. ACREAGE IN NON-COMPETITIVE TRUCK CROPS GENERALLY INCREASED IN COMPARISON TO 1946. WATERMELON ACREAGE WAS 11 PERCENT MORE, BUT WAS STILL UNABLE TO MEET DEMAND. HEAD AND ORIENTAL CABBAGE ACREAGE WAS SLIGHTLY LARGER THAN IN 1946. MAJOR ACREAGE REDUCTIONS WERE IN SUCH CROPS AS CARROTS, CAULIFLOWER, CELERY, AND TOMATOES WHERE MAINLAND PRICES DURING PART OF THE YEAR ARE LESS THAN PRODUCTION COSTS IN THE ISLANDS. ACREAGES OF SOME NON-COMPETITIVE CROPS SUCH AS GREEN CORN AND SNAP BEANS ALSO DECREASED.

ACREAGE OF TRUCK CROPS IN 1948 IS EXPECTED TO INCREASE, LARGELY AS A RESULT OF PLANTINGS ON FORMER PLANTATION LANDS THAT ARE NOW AVAILABLE FOR LEASE OR PURCHASE ON OAHU. PRODUCTION ON SOME OUTER ISLAND DISTRICTS WILL ALSO INCREASE AS SOON AS NEW AIR FIELDS PERMIT OPENING AIR FREIGHT SERVICE.

IN THE FRUIT GROUP, BOTH PAPAYA AND BANANA ACREAGES INCREASED MODERATELY FROM 1946. TARO ACREAGE INCREASED 24 PERCENT UNDER THE SPUR OF HIGH PRICES. COFFEE ACREAGE REMAINS STATIC. MACADAMIA NUT ACREAGE HAS INCREASED 34 PERCENT SINCE 1945 AND PROMISES TO BECOME ONE OF THE MOST IMPORTANT DIVERSIFIED CROPS. LARGE ACREAGES ARE ADAPTED TO THE CROP, AND THE PRINCIPAL BRAKE ON PLANTINGS IS A SHORTAGE OF PLANTING MATERIAL OF THE IMPROVED VARIETIES.

DIVERSIFIED CROP MARKETINGS

THE WHOLESALE VALUE OF LIVESTOCK AND POULTRY MARKETINGS WAS \$18,494,000 IN 1947, COMPARED TO \$15,716,000 IN 1946. THE WHOLESALE VALUE OF FRUIT AND VEGETABLE MARKETINGS, INCLUDING TARO FOR POI MANUFACTURE, WAS \$6,475,000 IN 1947, A DECREASE FROM \$7,260,000 IN 1946 AND FROM \$7,509,000 IN 1945. DECREASE WAS LARGELY BECAUSE OF LESS PRODUCTION.

BEEF CATTLE: THE NUMBER OF CATTLE MARKETED IN 1947 WAS 33,795 HEAD, WHICH IS LESS THAN IN 1946 BUT MORE THAN IN 1945. BECAUSE OF HIGHER PRICES, THE VALUE OF MARKETINGS, \$6,049,000 IN 1947, WAS GREATER THAN IN 1946, \$4,931,000.

DAIRY PRODUCTS: MILK PRODUCTION IN 1947 WAS 32,245,000 QUARTS COMPARED TO 30,317,000 QUARTS IN 1946. PRICE ADVANCES OCCURRED DURING THE YEAR, AND VALUE OF 1947 MARKETINGS OF MILK AND DAIRY MEAT PRODUCTS WAS \$5,778,000. VALUE IN 1946 WAS \$4,706,000.

SLAUGHTERHOUSE VALUE OF HOGS: NUMBER OF HOGS ON FARMS WAS LOWER THAN IN 1946. THE NUMBER MARKETED IN 1947 WAS 43,100 HEAD, 35 PERCENT LESS THAN IN 1946. SLAUGHTERHOUSE VALUE OF MARKETINGS WAS \$3,194,000 IN 1947 COMPARED TO \$3,319,000 IN 1946.

POULTRY: PRODUCTION OF BOTH EGGS AND POULTRY MEAT WAS HIGHER DURING 1947 THAN IN RECENT YEARS. WHOLESALE VALUE OF 1947 MARKETINGS WAS \$3,437,000 IN 1947, \$2,701,000 IN 1946, AND \$3,258,000 IN 1945.

THE VALUE OF SHEEP PRODUCTS WAS SLIGHTLY BELOW 1946 LEVELS. HONEY AND BEESWAX MARKETINGS WERE ALSO LESS THAN IN 1946.

DIVERSIFIED CROPS: PRODUCTION OF FRUITS, VEGETABLES, AND MISCELLANEOUS CROPS WAS 9 PERCENT LESS THAN IN 1946. VALUE OF MARKETINGS WAS 6 PERCENT LESS. FRUIT MARKETINGS OF 16,668,000 POUNDS IN 1947 WERE 5 PERCENT LESS THAN THE PREVIOUS YEAR, LARGELY BECAUSE OF A POOR PAPAYA CROP ON OAHU. PRICES AVERAGED HIGHER THAN IN 1946, AND THE WHOLESALE VALUE OF FRUIT CROP MARKETINGS, \$1,151,000, WAS 31 PERCENT GREATER. VEGETABLES PRODUCED FOR MARKET, INCLUDING TARO FOR MANUFACTURE, TOTALLED 60,721,000 POUNDS, A DECREASE OF

12 PERCENT FROM 1946. MARKETS WERE NOT ABLE TO ABSORB ALL OF THE PRODUCTION OF TRUCK CROPS. WHOLESALE VALUE OF 1947 MARKETINGS WAS \$5,324,000, A DECREASE OF 17 PERCENT FROM 1946.

OF THE MISCELLANEOUS CROPS, COFFEE WAS THE MOST IMPORTANT. PRODUCTION AND VALUE OF THE CROP WAS SLIGHTLY LARGER THAN IN 1946. MACADAMIA NUTS AND RICE ALSO INCREASED MODERATELY IN PRODUCTION AND VALUE, COMPARED TO 1946.

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.

DIVERSIFIED CROPS AND LIVESTOCK: STATISTICS IN THIS CIRCULAR REPRESENT ONLY COMMERCIAL PRODUCTION FOR ALL COMMODITIES. CONVERSIONS OF COMMERCIAL PRODUCTION INTO TOTAL PRODUCTION CANNOT BE MADE WITH ACCURACY UNTIL AFTER THE 1950 CENSUS. 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 CAT-

TLE, 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 RECORDS OF CROP REPORTERS. 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 EXPORT CROPS ARE AVERAGE FREE ALONGSIDE SHIP ON ISLAND OF ORIGIN. OTHER PRICES ARE MEAN WHOLESALE PRICES FOR ISLAND OF ORIGIN, WEIGHTED TO ALLOW FOR PERCENTAGE OF VARIOUS GRADES AND SIZES SOLD, AND FOR QUANTITY SOLD AT VARIOUS SEASONS.

ACKNOWLEDGMENTS

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. THE COOPERATION OF PRODUCERS OF DIVERSIFIED CROPS AND LIVESTOCK IN FURNISHING BOTH ANNUAL AND PERIODIC INFORMATION IS ALSO GRATEFULLY ACKNOWLEDGED.

STATISTICS WERE CALCULATED BY THE FOLLOWING ASSISTANT ECONOMISTS: LIVESTOCK AND POULTRY, PERRY PHILIPP; FRUITS, VEGETABLES, AND MISCELLANEOUS CROPS, JACK ISHIDA; PRICE DATA ON FRUITS AND VEGETABLES, SHIRO TAKEI.

RALPH ELLIOTT
EXTENSION ECONOMIST

STATISTICS OF VALUE AND VOLUME OF AGRICULTURAL MARKETINGS

Table 1.--Value of Hawaiian Agricultural Marketings, 1947, 1946, and 1945

Commodity	1947	1946 ^{3/}	1945 ^{3/}
	<u>1,000 dollars</u>	<u>1,000 dollars</u>	<u>1,000 dollars</u>
Sugar and byproducts ^{1/}	83,540	62,875	62,107
Pineapples, canned fruit, juice, and byproducts ^{1/}	60,806	48,284	41,258
Total plantation crops	144,346	111,159	103,365
Beef products	6,049	4,931	3,655
Dairy products: milk and meat	5,778	4,706	4,307
Mutton and wool	36	59	90
Pork	3,194	3,319	3,111
Poultry meat and eggs	3,437	2,701	3,258
Honey, extracted and beeswax	120	159	76
Total livestock and bee products ^{2/}	18,614	15,875	14,497
Coffee, green	1,892	1,746	1,028
Corn, field; dry beans; and peanuts	50	48	58
Fruits, fresh (except pineapples)	1,151	878	1,048
Macadamia nuts, unshelled	117	95	79
Rice, milled	167	137	73
Vegetables, fresh	4,510	5,814	5,887
Taro (for manufacture)	814	568	574
Total diversified crops ^{2/}	8,701	9,286	8,747
Total livestock and diversified crops	27,315	25,161	23,244
Total agricultural marketings	171,661	136,320	126,609

^{1/} GROSS INCOME TAX BASE--INCLUDES SOME PRODUCTION FROM 1946 NOT MARKETING BECAUSE OF MARITIME STRIKE.

^{2/} WHOLESALE VALUE ON ISLAND OF ORIGIN ESTIMATED BY ECONOMICS SECTION, AGRICULTURAL EXTENSION SERVICE, UNIVERSITY OF HAWAII.

^{3/} SOME ESTIMATES REVISED.

Table 2.--Volume of Hawaiian Agricultural Marketings, 1947, 1946, and 1945

Commodity	1947	1946 2/	1945 2/
Sugar, raw ^{1/} tons	872,164	698,909	821,216
Pineapples, packed, July 1946-June 1947 ^{2/} : canned fruit..... cases	10,236,886	9,050,898	10,030,836
canned juice..... cases	8,206,789	8,671,204	7,891,793
Beef cattle..... head	33,795	39,350	30,290
Dairy products: meat, including calves..... head	4,965	5,000	5,200
milk..... 1,000 quarts	32,245	30,317	30,726
Sheep products: mutton..... head	1,050	2,000	3,000
wool..... 1,000 pounds	66	105	160
Swine ^{3/} head	43,100	66,140	63,800
Poultry products: eggs..... 1,000 dozens	2,703	2,458	3,547
meat..... number	344,700	310,400	374,400
Bee products: honey, extracted..... 1,000 pounds	758	761	589
beeswax..... 1,000 pounds	15	15	12
Fruits, fresh (except pineapples)..... 1,000 pounds	16,668	17,593	18,191
Vegetables, fresh..... 1,000 pounds	48,106	57,210	72,598
Taro (for manufacture)..... 1,000 pounds	12,615	11,480	16,150
Coffee, green..... 1,000 pounds	7,250 ^{4/}	6,900	6,300
Corn, field; dry beans; and peanuts..... 1,000 pounds	892	821	1,253
Macadamia nuts, unshelled..... 1,000 pounds	680	630	557
Rice, milled..... 1,000 pounds	889	572	735

1/ HAWAIIAN SUGAR PLANTERS' ASSOCIATION ESTIMATES.

2/ PINEAPPLE RESEARCH INSTITUTE ESTIMATES.

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

4/ PRELIMINARY 1947-48 ESTIMATES.

5/ SOME ESTIMATES REVISED.

Table 3.--Wholesale Value of 1947 Marketings of Diversified Agricultural Products
by Island of Origin

Commodity	Hawaii	Maui	Molokai & Lanai	Oahu	Kauai & Niihau	Territory		
						1947	1946 ^{2/}	1945 ^{2/}

1/ DATA DELETED OR ROUNDED TO AVOID DISCLOSURE.

2/ REVISED ESTIMATES.

Table 4.--Volume of 1947 Marketings of Diversified Agricultural Products by Island of Origin

Commodity	Hawaii	Maui	Molokai & Lanai	Oahu	Kauai & Niihau	Territory		
						1947	1946 ^{2/}	1945 ^{5/}
<u>Livestock, poultry, and bee products</u>								
Beef cattle head	21,615	6,690	1,700	1,105	2,685	33,795	39,350	30,290
Dairy cows and calves								
Meat head	270	420	5	4,100	170	4,965	5,000	5,200
Milk 1,000 quarts	2,349	3,167	58	25,421	1,250	32,245	30,317	30,726
Sheep head	2/	-	-	-	2/	1,050 2/	2,000	3,000
Wool 1,000 pounds	2/	-	-	-	2/	66 2/	105	160
Swine ^{1/} head	3,900	4,400	1,300	29,700	3,800	43,100	66,140	63,800
Poultry								
Eggs 1,000 dozens	685	440	12	1,481	85	2,703	2,458	3,547
Meat birds number	90,400	41,000	1,800	200,500	11,000	344,700	310,400	374,400
Bee products								
Honey, extracted 1,000 pounds	135	182	24	116	301	758	761	589
Beeswax 1,000 pounds	3	4	4/	2	6	15	15	12
<u>Fruits and vegetables</u>								
Fruits, fresh (except pineapples)..... 1,000 pounds	2,245	605	38	13,650	130	16,668	17,593	18,191
Vegetables, fresh 1,000 pounds	18,440	12,020	276	14,990	2,380	48,106	57,210	72,598
Taro (for manufacture) 1,000 pounds	2,490	1,305	245	5,800	2,775	12,615	11,480	16,150
Total fruits and vegetables	23,175	13,930	559	34,440	5,285	77,389	86,283	106,939
<u>Miscellaneous crops</u>								
Coffee, green 1,000 pounds	7,250 2/	-	-	-	-	7,250 2/	6,900	6,300
Corn, field; dry beans; and peanuts 1,000 pounds	722	170	-	-	-	892	821	1,253
Macadamia nuts, unshelled 1,000 pounds	580	20	-	30	50	680	630	557
Rice, milled 1,000 pounds	-	-	-	-	889	889	572	735
Total miscellaneous crops	8,552	190	-	30	939	9,711	8,923	8,845

^{1/} FEEDERS IMPORTED FROM THE MAINLAND AND FATTENED ON TERRITORIAL FARMS ARE NOT INCLUDED.^{2/} DATA DELETED OR ROUNDED OFF TO AVOID DISCLOSURE.^{3/} PRELIMINARY 1947-48 ESTIMATES.^{4/} LESS THAN 1,000 POUNDS.^{5/} SOME ESTIMATES REVISED.

STATISTICS OF LAND UTILIZATION AND DIVERSIFIED FARMS
Table 5.--Territorial Land Utilization, 1947, 1946 and 1945

Commodity	1947 Acres	Percent of total land area	1946 Acres	Percent of total land area	1945 Acres	Percent of total land area
Diversified crops 1/						
Coffee 2/	3,500		3,500 ^{2/}		3,500 ^{2/}	
Corn, field;peanuts;dry beans ^{3/}	813		827		1,328	
Fruits, tree 2/	2,097		2,020		2,024	
Nuts, macadamia 2/	1,030		806		770	
Rice ^{3/}	217		182		116	
Taro, (for mfr.) 2/	1,006		812		857	
Vegetables, fresh ^{1/}	5,254		5,916		8,073	
Total diversified crops	13,917	0.3	14,063	0.3	16,668	0.4
Plantation crops						
Sugar cane ^{4/}	205,293		208,376		211,331	
Pineapples ^{5/}	68,000		65,000 ^{2/}		62,000	
Total plantation crops	273,293	6.7	273,376	6.7	273,331	6.7
Total cultivated crops	287,210	7.0	287,439	7.0	289,999	7.0
Other agricultural uses						
Ranges, beef, sheep ^{6/}	1,638,215		1,626,000 ^{2/}		1,658,000	
Forest reserve ^{7/}	1,071,360		1,071,360		1,071,360	
Total other	2,709,575	66.1	2,697,360	65.8	2,729,360	66.6
Total agricultural utilization	2,996,785	73.1	2,984,799	72.8	3,019,359	73.6
Total land area	4,099,840					

1/ COMMERCIAL ACREAGE ONLY, SOME MINOR CROPS OMITTED (COTTON, ETC.)

2/ ACREAGE IN CROP AT END OF YEAR.

3/ PLANTINGS FOR 1947 HARVEST.

4/ HAWAIIAN SUGAR PLANTERS' ASSOCIATION ESTIMATES ACREAGE IN CROP END OF YEAR, ROUNDED.

5/ PINEAPPLE RESEARCH INSTITUTE ESTIMATES FOR END OF YEAR INCLUDES WASTELAND, CAMPSITES AND ROADS.

6/ COUNTY AGENTS' ESTIMATES.

7/ BOARD OF AGRICULTURE AND FORESTRY 1946 SURVEY.

8/ REVISED ACREAGE.

Table 6.—Land Utilization by Islands, 1947

Commodity	Hawaii		Maui		Molokai-Lanai		Oahu		Kauai-Niihau	
	Acres	Per-cent	Acres	Per-cent	Acres	Per-cent	Acres	Per-cent	Acres	Per-cent
Diversified crops ^{1/}										
Coffee ^{2/}	3,500		-		-		-		-	
Corn, field; peanuts; dry beans ^{3/}	632		181		-		-		-	
Fruits, tree ^{2/}	284		209		87		1,487		30	
Nuts, macadamia ^{2/}	672		6		2		123		227	
Rice ^{3/}	-		-		-		-		217	
Taro (for mfr.) ^{2/}	247		69		18		453		219	
Vegetables, fresh ^{3/}	1,764		1,254		77		1,878		281	
Total diversified crops	7,099	0.3	1,719	0.4	184	0.1	3,941	1.0	974	0.2
Plantation crops										
Sugar cane ^{4/}	95,000		32,651		-		35,493		42,149	
Pineapples ^{5/}	-		11,000		31,000		20,000		6,000	
Total plantations	95,000	3.7	43,651	8.8	31,000	12.1	55,493	14.7	48,149	12.1
Total cultivated land	102,099	4.0	45,370	9.2	31,184	12.2	59,434	15.7	49,123	12.3
Other agricultural uses										
Ranges, beef, sheep ^{6/}	1,260,715		99,250		83,750		10,300		184,200	
Forest reserve ^{7/}	583,040		156,800		53,120		118,400		160,000	
Total other	1,843,755	71.6	256,050	51.8	136,870	53.3	128,700	34.1	344,200	86.3
Total agricultural utilization	1,945,854	75.6	301,420	61.0	168,054	65.5	188,134	49.8	393,323	98.6
Total land area ^{8/}	2,573,440		494,080		256,640		376,960		398,720	

1/ COMMERCIAL ACREAGE ONLY, SOME MINOR CROPS OMITTED (COTTON, ETC.)

2/ ACREAGE IN CROP AT END OF YEAR.

3/ PLANTINGS FOR 1947 HARVEST.

4/ HAWAIIAN SUGAR PLANTERS' ASSOCIATION ESTIMATES; ACRES IN CROP AT END OF YEAR, ROUNDED.

5/ PINEAPPLE RESEARCH INSTITUTE ESTIMATES FOR END OF YEAR; INCLUDES WASTELAND, CAMPSITES, AND ROADS.

6/ COUNTY AGENTS' ESTIMATES.

7/ BOARD OF AGRICULTURE AND FORESTRY 1946 SURVEY.

8/ CENSUS DATA, 1940.

Table 7.—Number of Farms Producing Diversified Agricultural Products, 1947

Commodity	Hawaii	Maui	Molokai and Lanai	Oahu	Kauai	Territory	
						1947	1946
Beef cattle	125	33	17	13	41	229	228
Sheep	1	--	--	--	1	2	2
Dairy	23	7	1	42	5	78	83
Hogs	58	70	19	278	62	487	525
Poultry	265	48	7	328	29	677	748
Total livestock	472	158	44	661	138	1,473	1,536
Fruits and vegetables, fresh	369	293	23	676	46	1,407	1,520
Taro (for mfr.)	88	50	19	104	56	317	312
Total fruits and vegetables	457	343	42	780	102	1,724	1,832
Coffee	700	--	--	--	--	700	700
Macadamia nuts	18	3	1	6	20	48	48
Rice	--	--	--	--	34	34	27
Honey	3	9	3	10	5	30	29
Total miscellaneous crops	721	12	4	16	59	812	804
Total farms	1,650	513	90	1,457	299	4,009	4,222

Table 8.—WEIGHTED AVERAGE ANNUAL WHOLESALE PRICES OF LIVESTOCK, POULTRY, AND BEE PRODUCTS, 1947, 1946, AND 1945 ^{1/}

Commodity	1947		1946 ^{2/}		1945 ^{2/}	
	Oahu Dollars	Outlying islands Dollars	Oahu Dollars	Outlying islands Dollars	Oahu Dollars	Outlying islands Dollars
Beef cattle:						
Beef carcasses ^{2/} pound	.37	.32	.236	.225	.228	.213
Offal, hide, and tallow ^{2/} per beef animal	24.30	22.00	15.40	15.00	13.86	13.86
Dairy cattle and milk:						
Milk ^{3/} quart	.17	.15	.15	.13	.136	.117
Mature dairy cattle carcasses ^{2/} pound	.33	.28	.207	.197	.203	.188
Dairy calf carcasses ^{2/} pound	.18	.15	.18	.15	.17	.14
Offal, hide and tallow ^{2/} per mature dairy animal	22.70	20.40	14.33	14.00	12.85	12.85
Offal and hide ^{2/} per dairy calf	5.05	4.96	2.27	2.22	2.15	2.15
Sheep and wool:						
Mutton carcasses ^{2/} pound	-	.20	-	.17	-	.17
Wool ^{4/} pound	-	.40	-	.40	-	.40
Swine: ^{5/} liveweight, pound	.42	.42	.268	.263	.195	.195
Poultry and eggs:						
Eggs in cases ^{6/} dozen	1.00	.96 ^{7/}	.95	.86	.75	.75
Hens and roosters sold for meat ^{6/} liveweight, pound	.55	.50	.55	.48	.41	.41
Broilers, fryers, and roasters ^{6/} liveweight, pound	.75	.67 ^{8/}	.65	.57	.49	.49
Bee products:						
Honey ^{4/} extracted, pound	.15	.15	.20	.20	.12	.12
Beeswax ^{4/} pound	.44	.44	.47	.47	.425	.425

^{1/} PRICES WEIGHTED BY THE RELATIVE IMPORTANCE OF EACH GRADE AND SEASONAL VOLUME.^{2/} SALES BY SLAUGHTERHOUSE.^{3/} DELIVERED BOTTLING PLANT.^{4/} F.A.S. ISLAND PORT.^{5/} DELIVERED SLAUGHTERHOUSE.^{6/} WHOLESALE PRICE.^{7/} EXCEPT FOR HAWAII WHERE PRICE WAS 92¢.^{8/} EXCEPT FOR HAWAII WHERE PRICE WAS 60¢.^{9/} SOME ESTIMATES REVISED.

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

Table 9.--Ranches, Number of Cattle, and Marketings, 1947

Island	Number of ranches	Acreage used for pasture	Number of cattle on ranches in December	Number of cattle mar- keted in 1947	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	59	518,120	29,850	6,570	22	17.0
West Hawaii	30	232,750	14,765	3,700	25	16.0
North Hawaii	36	479,845	43,660	11,345	26	11.0
Maui	33	99,250	24,800	6,690	27	4.0
Molokai and Lanai	17	83,750	8,500	1,700	20	10.0
East Oahu	1	800	300	330 ^{2/}	-	2.7
West Oahu	12	9,500	2,200	775	35	4.3
Kauai and Niihau	41	137,950	14,470	2,665	25	9.5
Territory 1947	229	1,561,965	138,545	33,775	24	11.0
1946 ^{1/}	228	1,550,000	130,310	38,835	30	12.0
1945	-	-	140,690	30,290	22	-

^{1/} REVISED ESTIMATES.

^{2/} TWO RANCHES OUT OF CATTLE BUSINESS.

Table 10.--Weight and Value of Beef Cattle Marketings, 1947, 1946 and 1945

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	21,615	10,805	3,458	476	3,934
Maui	6,690	3,178	1,017	147	1,164
Molokai and Lanai	1,700	714	223	37	265
Oahu	1,105	530	196	27	223
Kauai and Niihau	2,685	1,262	404	59	463
Territory 1947	33,795	16,489	5,303	746	6,049
1946 ^{1/}	39,350	19,258	4,340	591	4,931
1945 ^{1/}	30,290	15,145	3,235	420	3,655

^{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 1947 and 1946
by Islands and Size of Herd

Number of mature dairy cows	August 1947						August 1946
	Hawaii	Maui	Molokai	Oahu	Kauai	Territory	Territory
300 or more	-	2	-	6	-	8	9
150 - 299	1	-	-	11	1	13	10
50 - 149	3	3	-	18	3	27	27
10 - 49	19	22	1	7	1	30	37
Total 1947	23	7	1	42	5	78	
1946	24	9	1	42	7		83

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

Island	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average	
													1947	1946 ^{1/}
	Quarts													
Hawaii	7.6	7.4	7.5	7.5	7.8	7.4	8.2	8.0	7.7	7.4	7.8	8.3	7.7	7.0
Maui	6.6	7.0	7.1	7.3	7.3	7.4	7.0	6.9	6.9	6.9	6.9	7.6	7.1	7.0
Molokai	10.0	10.6	10.6	8.6	8.6	7.9	8.6	8.3	8.3	8.1	8.3	9.8	8.9	7.5
Oahu	9.8	9.8	9.9	9.9	10.0	10.0	9.4	9.3	9.4	8.9	9.6	9.5	9.6	9.0
Kauai	5.5	5.7	5.7	6.4	6.3	6.1	6.0	6.1	6.4	6.5	6.7	6.8	6.2	5.7
Territory														
1947	9.0	9.0	9.1	9.2	9.3	9.2	8.8	8.8	8.8	8.4	9.0	9.0	9.0	
1946 ^{1/}	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 1947 and 1946

Island	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average	
													1947	1946 1/2
	<u>Quarts</u>													
Hawaii	6,400	6,200	6,200	6,400	6,400	6,400	7,000	6,700	6,400	6,100	6,400	6,600	6,400	6,100
Maui	8,300	8,500	8,900	9,300	9,100	9,000	8,500	8,400	8,300	8,300	8,400	9,100	8,700	8,600
Molokai	170	180	180	150	155	135	155	150	150	145	150	195	160	150
Oahu	70,800	70,900	71,300	72,300	73,500	72,200	70,300	71,400	67,500	64,200	67,400	64,100	69,700	65,200
Kauai	3,000	3,100	3,200	3,600	3,500	3,400	3,300	3,500	3,500	3,600	3,600	3,800	3,400	3,000
Territory														
1947	88,670	88,880	89,780	91,750	92,655	91,135	89,255	90,140	85,850	82,345	85,950	83,795	88,400	
1946 1/2	75,770	76,370	79,160	80,910	83,610	85,610	84,810	87,300	87,050	85,150	84,430	86,540		83,000

1/ REVISED ESTIMATES.

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

Island	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average 1947/
	Percent												
Hawaii	70	71	71	72	72	73	74	74	73	71	72	73	72
Maui	65	68	72	70	71	73	71	70	66	67	71	70	70
Molokai	88	88	88	83	72	76	89	83	83	83	83	85	83
Oahu	82	82	79	80	77	76	72	71	74	72	72	73	76
Kauai	60	65	65	66	66	60	60	64	66	68	68	71	65
Territory	78	78	77	78	75	75	72	71	73	71	72	72	74

1/ SIMPLE AVERAGE OF MONTHLY FIGURES.

Table 15.--Number of Mature Dairy Cows, and Production and Value of Milk, 1947, 1946, and 1945

Island	Number of mature dairy cows, December 31		M i l k			
			Yearly production		Yearly value ^{2/}	
	1947	1946 ^{1/}	1947	1946 ^{1/}	1947	1946 ^{1/}
			<u>1,000 quarts</u>		<u>1,000 dollars</u>	
Hawaii	800	850	2,349	2,233	352	290
Maui	1,200	1,270	3,167	3,130	475	407
Molokai	20	17	58	55	3/	3/
Oahu	6,760	7,010	25,421	23,795	4,322	3,569
Kauai	560	550	1,250	1,104	188	144
Territory						
1947	9,340		32,245		5,345 ^{3/}	
1946		9,697		30,317		4,415 ^{3/}
1945	9,577		30,726		4,031	

1/ REVISED ESTIMATES.

2/ DELIVERED BOTTLING PLANT.

3/ DATA DELETED OR ROUNDED OFF TO AVOID DISCLOSURES.

Table 16.--Dairy Cattle and Calves Sold for Meat, 1947, 1946, and 1945

Island	Number sold for meat	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	270	99	27	4	31
Maui	420	143	39	6	45
Molokai	5	2	2/	2/	2/
Oahu	4,100	932	288	49	337
Kauai	170	63	17	3	20
Territory 1947	4,965	1,239	371	62	433
1946 ^{1/}	5,000	1,245	251	38	289
1945 ^{1/}	5,200	1,248	242	34	276

1/ REVISED ESTIMATES.

2/ DATA DELETED TO AVOID DISCLOSURES.

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 1947 and 1946
by Islands and Size of Herd

Number of swine, all ages, on farms	Hawaii	Maui	Molokai and Lanai	Oahu	Kauai	Territory	
						1947	1946
500 or over	-	1	1	5	-	7	7
300-499	1	1	1	21	1	25	12
100-299	11	9	2	109	9	140	148
10- 99	46	59	15	143	52	315	358
Territory 1947	58	70	19	278	62	487	
1946	62	70	13	301	79		525

Table 18.--Number of Swine on Farms and Swine Marketings, 1947, 1946, and 1945

Island	Swine on farms on November 30			Swine slaughtered or marketed for slaughter during year			
	Number of swine 3 weeks old and over	Number of swine 3 months old and over	Number of pigs 3 weeks to 3 months old	Number ^{2/}	Total live weight	Average live weight per animal	Value delivered slaughterhouse
					1,000 pounds	Pounds	1,000 dollars
Hawaii	4,100	2,800	1,300	3,900	694	178	291
Maui	4,300	3,100	1,200	4,400	730	166	307
Molokai and Lanai	2,400	1,600	800	1,300	263	202	110
Oahu	42,000	28,600	13,400	29,700	5,287	178	2,221
Kauai	3,700	2,700	1,000	3,800	631	166	265
Territory 1947	56,500	38,800	17,700	43,100	7,605	176	3,194
1946 ^{1/}	60,500	45,100	15,400	66,140	12,382	187	3,319
1945 ^{1/}	79,700	52,200	27,500	63,800	15,952	250	3,111

^{1/} REVISED ESTIMATES.

^{2/} FEEDERS IMPORTED FROM THE MAINLAND AND FATTENED ON TERRITORIAL FARMS ARE NOT INCLUDED.

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

Island	Number of swine over 3 months old kept for breeding purposes and grown for market in August			Number of farrowings, pigs born, and weaned in August			
	Market hogs	Boars	Sows and gilts	Sows farrowed	Live pigs born	Average number of live pigs born per farrowing	Pigs weaned
Hawaii	1,870	80	630	85	650	7.7	390
Maui	2,660	70	550	105	760	7.2	440
Molokai and Lanai	1,010	50	390	50	340	6.4	370
Oahu	23,240	605	4,890	875	6,100	7.0	4,940
Kauai	1,850	80	390	55	400	7.3	290
Territory 1947	30,630	885	6,850	1,170	8,250	7.0	6,430
1946	36,170	940	7,650				

Table 20.--SHEEP STATISTICS, 1947, 1946, and 1945

Year	Number of Ranches	Acreage Used for Pasture	Number of Head on Ranches End of Year	Number of Head Marketed during Year	Mutton		Wool		Value of Wool and Mutton
					Dressed weight	Value 1/	Production	Value 2/	
		<u>Acres</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>
1947	2	76,000	14,500	1,050	52	10	56	26	36
1946	2		13,000	2,000	100	17	105	42	59
1945	2		20,000	3,000	153	26	150	64	90

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

Number of layers per farm	Hawaii	Maui	Molokai and Lanai	Oahu	Kauai	Territory	
						1947	1946
3,000 and over	1	4	-	10	-	15	20
1,500 - 2,999	7	1	-	26	-	34	38
500 - 1,499	32	10	-	87	5	134	125
100 - 499	225	33	7	205	24	494	565
Total 1947	265	48	7	328	29	677	
1946	256	54	11	357	70		748

Table 22.--Production and Wholesale Value of Poultry Products, 1947, 1946, and 1945

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	685	630	90,400	336	187
Maui	440	422	41,000	156	91
Molokai and Lanai	12	12	1,800	7	4
Oahu	1,481	1,481	200,500	775	503
Kauai	85	82	11,000	43	25
Territory					
1947	2,703	2,627	344,700	1,317	810
1946 ^{1/}	2,458	2,027	310,400	1,195	674
1945	3,547	2,660	374,400	1,354	598

^{1/} REVISED ESTIMATES.

Table 23.--Number of Chickens of All Ages, 1947 and 1946^{1/}

Island	Feb.	Apr.	Jun.	Aug.	Oct.	Dec.
Hawaii	98,100	139,700	118,000	113,000	105,500	93,500
Maui	54,500	67,500	59,700	53,400	51,500	46,100
Molokai and Lanai	2,000	3,400	3,100	2,600	2,700	2,100
Oahu	311,700	361,200	350,400	315,500	290,600	294,100
Kauai	11,300	17,700	16,900	13,000	10,900	13,500
Territory 1947	477,600	589,500	548,100	497,500	461,200	449,300
1946 ^{2/}	479,200	542,000	466,500	426,100	382,600	424,800

^{1/} ROOSTERS AND COCKERELS OLDER THAN 6 WEEKS NOT INCLUDED.^{2/} REVISED ESTIMATES.

Table 24.--Number of Layers, 1947 and 1946

Island	Feb.	Apr.	Jun.	Aug.	Oct.	Dec.
Hawaii	54,800	50,300	48,800	78,500	82,900	77,700
Maui	31,200	32,500	32,200	39,500	38,700	33,700
Molokai and Lanai	1,200	1,100	800	1,100	1,500	1,500
Oahu	158,200	142,000	143,000	159,200	159,400	166,900
Kauai	7,400	7,300	7,400	7,700	7,700	9,300
Territory 1947	252,800	233,200	232,200	286,000	290,200	289,100
1946 ^{1/}	274,600	235,700	221,300	238,000	243,500	252,300

^{1/} REVISED ESTIMATES.

Table 25.--Number of Pullets 6 Weeks to Laying Age, 1947

Island	Feb.	Apr.	Jun.	Aug.	Oct.	Dec.
Hawaii	6,100	39,600	60,000	29,200	15,700	8,900
Maui	3,500	17,400	20,500	10,800	5,400	8,100
Molokai and Lanai	100	1,000	1,800	1,500	1,100	500
Oahu	63,600	120,000	126,400	95,900	77,300	59,200
Kauai	500	5,500	8,400	4,700	2,200	2,700
Territory	73,800	183,500	217,100	142,100	101,700	79,400

Table 26.--Number of Baby Chicks up to 6 Weeks Old, 1947

Island	Feb.	Apr.	Jun.	Aug.	Oct.	Dec.
Hawaii	37,200	49,800	9,200	5,300	6,900	6,900
Maui	19,800	17,600	7,000	3,100	7,400	4,300
Molokai and Lanai	700	1,300	500	-	100	100
Oahu	89,900	99,200	81,000	60,400	53,900	68,000
Kauai	3,400	4,900	1,100	600	1,000	1,500
Territory	151,000	172,800	98,800	69,400	69,300	80,800

Table 27.--Egg Production by Months, 1947 and 1946

Island	Feb.	Apr.	Jun.	Aug.	Oct.	Dec.
	<u>Dozens</u>	<u>Dozens</u>	<u>Dozens</u>	<u>Dozens</u>	<u>Dozens</u>	<u>Dozens</u>
Hawaii	56,900	62,900	49,200	58,800	54,200	58,100
Maui	36,400	39,000	38,100	34,000	38,800	33,600
Molokai and Lanai	1,200	1,000	600	800	1,100	1,100
Oahu	134,700	145,000	120,000	111,700	107,600	117,500
Kauai	7,100	8,900	7,000	7,000	5,300	6,900
Territory 1947	236,300	256,800	214,900	212,300	207,000	217,200
1946 ^{1/}	242,500	252,700	188,400	172,000	157,700	173,700

^{1/} REVISED ESTIMATES.

Table 28.--Eggs Laid per Layer per Month and Total for 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	10.5	12.4	15.1	15.0	14.5	12.3	11.7	9.0	8.3	7.8	7.7	9.0	133.3	11.1
Maui ^{1/}	-	14.0	-	14.4	-	14.2	-	10.3	-	12.0	-	12.0	154.0	12.8
Molokai and Lanai ^{1/}	-	12.0	-	11.0	-	9.3	-	8.7	-	8.8	-	9.0	118.5	9.9
Oahu	9.4	10.2	12.8	12.2	11.1	10.1	9.7	8.4	8.0	8.1	7.6	8.4	116.0	9.7
Kauai ^{1/}	-	11.6	-	14.7	-	11.4	-	10.9	-	8.3	-	8.9	133.3	11.1
Territory 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 ^{1/2/}	-	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.
^{2/} REVISED ESTIMATES.

Table 29.--Miscellaneous Poultry Statistics, 1947

Island	Average number of layers and egg production in 1947				August 1947 survey statistics					
	Average number of layers in 1947		Average monthly egg production in 1947		Layers of all ages on farms ^{2/}	Pullets, laying age to 18 months ^{2/}		Male birds on farms ^{2/} ^{4/}	Eggs used on farms or given away ^{5/}	
	Number	Percent ^{1/}	Dozens	Percent ^{1/}		Number	Percent ^{3/}		Dozens	Average per farm
Hawaii	64,700	24.7	57,100	25.3	78,500	36,000	45.9	14,300	5,610	21.2
Maui	34,600	13.2	36,700	16.3	39,500	12,100	30.6	5,500	710	14.8
Molokai and Lanai	1,200	0.5	1,000	0.4	1,100	400	36.4	600	80	11.4
Oahu	154,100	58.7	123,400	54.8	159,200	83,900	52.7	60,300	6,930	21.1
Kauai	7,700	2.9	7,100	3.2	7,700	2,600	33.8	2,000	580	20.0
Territory	262,300	100.0	225,300	100.0	286,000	135,000	47.2	82,700	13,910	20.5

1/ PERCENTAGE OF TERRITORIAL TOTAL.

2/ AUGUST 31, 1947.

3/ PULLETS LAYING AGE TO 18 MONTHS AS PERCENTAGE OF BIRDS OF ALL AGES IN LAYING FLOCK.

4/ INCLUDES ROOSTERS AND COCKERELS 6 WEEKS OLD OR OVER.

5/ MONTH OF AUGUST 1947.

Table 30.--Egg-Feed Ratios for Oahu and Hawaii, 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	Average 1947 ^{3/}
						<u>Pounds</u>							
Hawaii	17.8 ^{2/}	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	19.9 ^{2/}	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/ JANUARY RATIOS ARE APPROXIMATIONS SINCE FEED PRICE RECORDS WERE NOT KEPT BEFORE FEBRUARY.

3/ SIMPLE AVERAGE OF MONTHLY RATIOS.

Table 31.--STATISTICS OF HONEY AND BEESWAX, 1947, 1946, and 1945

Island	Honey Producers	Apiaries	Colonies	Honey			Beeswax		Honey and Beeswax
				Yield per colony 2/	Total yield 2/	Value 3/	Total Yield	Value 3/	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	685	197.1	135	20.3	2.6	1.2	21
Maui	9	16	1,831	99.4	182	27.3	3.6	1.6	29
Molokai and Lanai	3	6	290	82.8	24	3.6	0.5	0.2	4
Oahu	10	21	2,266	51.2	116	17.4	2.3	1.0	18
Kauai and Niihau	5	7	3,607	83.4	301	45.1	6.0	2.6	48
Territory 1947	30	54	8,679	87.3	758	113.7	15.0	6.6	120
1946 1/	30	53	7,199	105.7	761	152.2	15.0	7.0	159
1945	-	-	-	-	589	70.6	12.0	5.1	76

1/ REVISED ESTIMATES.

2/ EXTRACTED, IN 5-GALLON CANS.

3/ 1947 HONEY VALUED AT 15.0 CENTS PER POUND AND BEESWAX AT 44.0 CENTS, F.A.S. ISLAND PORT.

STATISTICS OF FRUITS, VEGETABLES, AND MISCELLANEOUS CROPS
Table 32.--Average Yield Per Acre of Specified Crops, 1947, 1946, and 1945

Commodity	Territory			Hawaii			Maui			Molokai			Oahu			Kauai		
	1947	1946	1945	1947	1946	1945	1947	1946	1945	1947	1946	1945	1947	1946	1945	1947	1946	1945
	1,000 pounds			1,000 pounds			1,000 pounds			1,000 pounds			1,000 pounds			1,000 pounds		
Fruits																		
Avocados	4.1	5.2	8.7	5.9	6.9	11.8	5.3	5.6	6.0	-	-	-	1.5	2.8	5.5	7.5	10.0	7.5
Bananas ^{1/}	9.5	8.5	8.6	10.5	12.9	11.4	7.4	6.2	5.8	6.7	10.0	12.0	9.7	8.3	8.4	5.0	13.3	13.0
Oranges	-	13.0	11.8	13.8	13.0	12.0	-	-	9.0	-	-	-	-	-	-	-	-	12.0
Papayas	12.7	14.6	11.8	17.4	15.0	14.2	8.6	10.0	9.2	9.0	9.0	12.0	12.6	14.8	11.9	10.0	9.0	10.0
Tangerines	-	-	-	8.3	7.7	8.6	-	-	-	-	-	-	-	-	-	-	-	-
Vegetables																		
Beans, snap	7.6	7.7	6.6	9.5	7.6	10.6	6.0	5.7	4.1	8.0	8.0	4.4	7.2	8.1	6.7	8.2	10.7	9.3
Beets	12.2	15.9	19.3	12.1	19.4	22.3	15.0	15.0	16.7	-	-	9.0	10.8	12.6	12.5	-	-	10.0
Broccoli	4.3	6.1	5.1	4.6	4.2	3.4	5.6	7.8	5.0	-	-	-	3.6	7.1	5.9	-	-	4.3
Cabbage, head	12.5	13.9	12.3	12.9	13.4	15.1	12.3	15.1	11.2	-	8.0	7.0	12.6	11.9	7.9	9.8	11.2	8.6
Cabbage, oriental	9.3	12.6	10.3	7.4	9.8	9.8	11.2	13.1	9.8	-	6.7	6.7	10.1	14.2	10.6	8.1	11.2	11.4
Carrots	11.1	11.4	8.6	10.9	9.3	9.0	11.7	13.9	7.7	6.7	8.5	6.4	10.8	16.0	12.5	8.3	11.2	7.1
Cauliflower	7.0	6.8	5.6	4.1	5.0	3.9	8.2	6.7	4.5	-	5.0	4.1	6.8	7.8	8.3	-	-	5.0
Celery	40.9	42.9	36.2	46.3	54.4	52.4	26.0	32.8	28.8	-	-	-	37.5	34.1	24.7	-	35.0	26.5
Corn, green	3.9	5.7	4.4	5.0	5.9	6.5	4.5	3.3	4.3	-	3.8	-	4.2	5.9	4.1	4.8	6.3	3.6
Cucumbers	7.3	6.8	7.8	7.8	6.3	7.2	6.9	7.0	7.1	-	4.2	7.5	6.4	7.1	8.6	7.9	8.0	9.4
Daikon	13.8	14.4	17.4	12.5	12.7	16.6	18.2	16.7	18.5	-	10.0	14.2	15.7	17.5	18.3	-	16.3	18.3
Dasheens	9.1	8.2	9.5	10.0	7.8	10.2	10.0	10.0	11.0	-	-	-	5.7	7.7	9.0	15.8	11.3	8.7
Eggplant	12.6	16.2	13.2	11.3	14.4	12.1	12.0	13.6	12.4	9.5	11.7	13.8	14.8	19.5	13.2	12.5	16.0	14.4
Lettuce	8.9	9.1	7.7	8.8	9.2	7.9	7.1	6.7	5.9	-	8.0	9.0	10.5	12.0	9.9	-	7.5	8.0
Lotus root	-	-	-	-	-	-	-	-	-	-	-	-	9.0	8.2	7.4	-	-	-
Onions, dry	-	-	-	-	-	-	7.8	7.1	5.5	-	-	-	-	-	-	-	-	-
Onions, green	14.4	15.9	17.1	13.8	14.3	20.0	20.0	18.3	17.5	-	12.0	20.0	14.2	16.3	16.1	-	16.0	24.3
Peas (all types)	2.5	2.5	2.5	3.9	3.3	2.3	2.5	2.8	2.0	-	-	-	1.8	2.1	2.8	-	-	2.2
Peppers, sweet	6.2	7.3	6.4	6.5	7.3	6.5	5.7	7.1	4.9	-	-	-	6.1	8.1	6.3	6.2	6.3	7.8
Potatoes	6.0	6.0	5.2	8.0	5.9	5.1	5.6	5.9	5.9	5.0	-	2.3	-	8.3	5.8	-	10.0	9.2
Pumpkins	8.0	6.0	4.7	9.3	9.0	10.0	7.8	4.6	4.1	-	7.5	-	8.3	8.3	-	-	10.0	-
Rhubarb	-	15.7	16.0	15.0	15.8	16.3	-	15.0	15.0	-	-	-	-	-	-	-	-	-
Squash, summer & Italian	-	-	-	11.0	13.3	9.8	-	12.5	-	-	-	-	-	-	-	-	-	-
Sweetpotatoes	5.8	7.6	6.6	11.9	10.3	9.0	8.9	9.5	8.3	5.0	2.7	10.0	^{2/} 6.1	5.4	-	^{2/} 7.7	6.2	-

Table 32--Continued

Commodity	Territory			Hawaii			Maui			Molokai			Oahu			Kauai		
	1947	1946	1945	1947	1946	1945	1947	1946	1945	1947	1946	1945	1947	1946	1945	1947	1946	1945
	1,000 pounds			1,000 pounds			1,000 pounds			1,000 pounds			1,000 pounds			1,000 pounds		
Vegetables---Contd.																		
Taro (For mfr.)	13.5	14.1	18.3	11.2	12.6	15.9	20.7	19.5	18.0	13.6	2.7	-	12.7	13.5	20.4	16.3	20.8	19.6
Tomatoes	10.2	11.8	11.1	11.6	12.9	12.2	10.0	12.1	10.8	9.0	5.8	9.7	9.5	11.3	10.9	10.4	11.6	10.9
Watercress	53.8	58.4	62.7	40.0	65.0	65.0	40.0	-	-	-	-	-	56.8	61.6	67.6	30.0	42.5	-
Watermelons	6.0	5.9	6.7	5.6	5.2	6.0	5.6	5.8	10.1	3.0	2.7	1.0	6.1	5.8	6.2	8.3	10.8	10.7
Misc. crops																		
Coffee, green	-	-	-	2.1	2.0	1.8	-	-	-	-	-	-	-	-	-	-	-	-
Corn, field ^{3/}	1.1	1.0	0.9	1.1	1.0	0.9	0.9	1.2	1.3	-	0.6	0.6	-	-	-	-	0.8	1.5
Macadamia nuts ^{1/}	0.8	1.0	0.8	0.9	1.0	0.8	3.3	1.7	0.7	-	-	-	0.3	0.2	0.4	0.4	2.1	1.4
Peanuts ^{2/}	-	2.6	1.7	1.7	2.0	1.6	-	-	3.0	-	-	-	-	3.0	2.0	-	-	1.7
Rice, milled	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.1	3.1	6.3

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

Table 33.--Weighted Average, 1947 Wholesale Prices of Fruits, Vegetables and Miscellaneous Crops ^{1/}

Commodity	Hawaii	Maui	Molokai	Oahu	Kauai
<u>Cents per pound</u>					
<u>Fruits</u>					
Avocados	9.0	10.0	-	12.0	9.0
Bananas	5.0	5.5	5.5	7.0	5.5
Bananas, cooking	9.0	-	-	-	-
Mangos, cultivated	-	20.0	-	23.0	-
Oranges	5.0	-	-	-	-
Papayas	6.0	6.0	6.0	6.3	6.0
Tangerines	15.0	-	-	-	-
<u>Vegetables</u>					
Beans, snap	12.2	12.2	12.2	14.2	12.2
Beets	4.0	4.0	-	4.8	-
Broccoli	14.0	14.0	-	16.0	-
Burdock	28.0	28.0	-	30.0	-

Continued

Table 33--Continued

Commodity	Hawaii	Maui	Molokai	Oahu	Kauai
<u>Vegetables--Contd.</u>					
	<u>Cents per pound</u>				
Cabbage, head	4.5	4.5	-	6.0	4.5
Cabbage, oriental	8.0	8.0	-	10.0	9.0
Carrots	6.0	6.0	6.0	7.0	6.5
Cauliflower	12.0	12.0	-	13.5	-
Celery	11.0	11.0	-	13.0	-
Corn, green	6.0	6.0	6.0	7.1	6.0
Cucumbers	13.5	13.5	-	15.5	13.5
Daikon	4.0	4.0	-	5.0	-
Dasheens	10.8	10.8	-	13.8	10.8
Eggplant, long	7.0	7.0	7.0	8.0	7.0
Eggplant, round	5.0	5.0	-	5.8	5.0
Ginger root	18.0	18.0	-	-	18.0
Lettuce	9.0	9.0	-	11.0	-
Lotus root	-	-	-	28.0	-
Onions, dry	-	5.0	-	-	-
Onions, green	12.0	12.0	-	13.0	-
Peas (all types)	50.0	50.0	-	50.0	-
Peppers, sweet	20.0	20.0	-	20.0	20.0
Potatoes	5.0	5.0	5.0	-	-
Pumpkins	5.0	5.0	-	5.5	-
Rhubarb	8.0	-	-	-	-
Squash, summer and Italian	12.0	-	-	-	-
Squash, misc.	5.0	-	-	6.0	-
Sweetpotatoes	5.0	5.0	5.0	6.0	5.0
Taro (for mfr.)	7.5	6.0	6.0	6.3	6.0
Tomatoes	10.5	10.5	10.5	12.0	10.5
Watercress	11.5	11.5	-	12.5	11.5
Watermelons	12.0	12.0	12.0	15.2	12.0
Yam bean root	9.0	-	-	10.0	8.0
<u>Miscellaneous crops</u>					
Beans, dry	-	20.0	-	-	-
Coffee, green	26.1	-	-	-	-
Corn, field (shelled)	5.0	5.0	-	-	-
Macadamia nuts ^{2/}	17.0	17.0	-	17.0	17.0
Peanuts, unshelled	20.0	-	-	-	-
Rice, milled	-	-	-	-	18.7

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

2/ UNSHELLED.

Table 34.-- Acreage, Production, and Wholesale Value of Hawaiian Diversified Crops, 1947, 1946, and 1945^{1/}

Commodity	Acreage			Production			Value		
	1947	1946	1945	1947	1946	1945	1947	1946	1945
<u>Fruits 2/</u>		<u>Acres</u>			<u>1,000 pounds</u>			<u>1,000 dollars</u>	
Avocados	269	264	271	1,075	1,360	2,362	103	133	240
Bananas 3/	1,026	976	986	9,475	8,150	8,434	648	404	481
Mangos, cultivated	233	222	150	100	80	143	21	12	28
Oranges	25	25	23	345	325	275 2/	10	25 5/	14 5/
Papayas	521	518	579	5,523	7,563	6,847	346	283	272
Tangerines	18	15	15	150	115	130	23	21	13
Total fruits	2,092	2,020	2,024	16,668	17,593	18,191	1,151	878	1,048
<u>Vegetables</u>									
Beans, snap	300	358	376	2,276	2,750	2,490	294	331	278
Beets 4/	16	21	47	195	333	909	8	14	38
Broccoli	64	65	72	275	395	368	41	59	54
Burdock	47	37	14	545	477	226	153	168	32
Cabbage, head	736	667	806	9,165	9,271	9,929	386	474	362
Cabbage, oriental	286	232	300	2,665	2,925	3,086	237	208	172
Carrots 4/	227	305	370	2,520	3,487	3,175	142	284	192
Cauliflower	76	121	225	530	825	1,245	65	129	193
Celery	22	38	123	900	1,630	4,093	101	224	630
Corn, green	329	457	748	1,290	2,630	3,285	86	185	206
Cucumbers	431	663	663	3,125	4,535	5,188	431	390	464
Daikon 4/	223	207	171	3,080	2,990	2,968	132	110	107
Dasheens	62	34	22	565	280	208	65	65	10
Eggplant	56	51	78	705	825	1,032	50	49	47
Ginger root	29	23	16	870	550	350	154	101	38
Lettuce	313	428	757	2,785	3,895	5,844	263	435	603
Lotus root	43	45	49	385	370	364	108	93	51
Onions, dry	72	68	90	560	485	495	28	29	32
Onions, green	62	72	93	890	1,148	1,590	114	123	166
Peas (all types)	40	64	74	100	160	182	51	80	79
Peppers, sweet	76	79	109	470	580	702	94	116	106
Potatoes	73	165	604	440	995	3,150	22	50	158
Pumpkins	53	39	108	425	235	510	22	17	19
Rhubarb	6	7	5	90	110	80	2	9	6
Squash, summer and Italian	24	26	68	265	345	648	29	26	40

Table 34--Continued

Commodity	Acreage			Production			Value		
	1947	1946	1945	1947	1946	1945	1947	1946	1945
	<u>Acres</u>			<u>1,000 pounds</u>			<u>1,000 dollars</u>		
<u>Vegetables--Contd.</u>									
Squash, misc.	36	38	65	350	490	631	19	27	32
Sweetpotatoes	319	320	313	1,855	2,430	2,070	87	166	106
Taro (for manufacture)	1,006	812 ^{2/}	857 ^{2/}	12,615	11,480	16,150	814	568	574
Tomatoes	486	558	1,047	4,950	6,570	11,580	543	893	1,260
Watercress	26	23	26	1,400	1,344	1,631	174	119	124
Watermelons	703	633	493	4,195	3,705	3,310	589	807	222
Yam bean root	18	21	13	240	215	243	20	18	13
Other vegetables	-	51	128	-	230	1,016	-	15	47
Total vegetables	6,260	6,728	8,930	60,721	68,690	88,748	5,324	6,382	6,461
Total fruits and vegetables	8,352	8,748	10,954	77,389	86,283	106,939	6,475	7,260	7,509
<u>Miscellaneous crops</u>									
Beans, dry	12	20	10	20	20	20	4	4	2
Coffee, green	3,500	3,500 ^{2/}	3,500 ^{2/}	7,250 ^{6/}	6,900 ^{5/}	6,300	1,892	1,746 ^{5/}	1,028
Corn, shelled	787	789	1,250	855	755	1,115	43	35	38
Macadamia nuts, unshelled	1,030	806 ^{5/}	770	680	630 ^{5/}	557 ^{5/}	117	95 ^{5/}	79 ^{5/}
Peanuts, unshelled	14	18	68	17	46	118	3	9	18
Rice, milled	217	182	116	889	572	735	167	137	73
Total miscellaneous crops	5,560	5,315	5,714	9,711	8,923	8,845	2,226	2,026	1,238
Total diversified crops	13,912	14,063	16,668	87,100	95,206	115,784	8,701	9,286	8,747

1/ ACREAGE FOR SHORT-TERM CROPS CONSISTS OF PLANTINGS THAT WOULD NORMALLY BE HARVESTED IN 1947. 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/ INCLUDES COOKING BANANAS.

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

5/ REVISED ESTIMATES.

6/ PRELIMINARY ESTIMATE FOR 1947-48 CROP.

TABLE 95.—ACREAGE, PRODUCTION, AND WHOLESALE VALUE OF HAWAIIAN DIVERSIFIED CROPS BY ISLAND OF ORIGIN 1/

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	790	71.0	18	95	10.0	2	-	-	109	160	19.0	6	90	9.0
BANANAS	47	485	24.0	56	390	22.0	2	20	1.0	886	3,445	591.0	12	60	9.0
BANANAS, COOKING	20	75	7.0	-	-	-	-	-	-	-	-	-	-	-	-
MANGOS, CULTIVATED	9	-	-	120	60	12.0	80	-	-	27	40	9.0	3	-	-
ORANGES	25	345	10.0	-	-	-	-	-	-	-	-	-	-	-	-
PAPAYAS	37	400	24.0	13	60	4.0	9	18	1.0	460	5,005	915.0	8	40	2.0
TANGERINES	18	150	29.0	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL FRUITS 1947	284	2,245	159.0	209	605	48.0	87	38	2.0	1,482	13,650	924.0	30	190	8.0
1946	241	2,125	161.0	206	615	96.0	79	28	1.0	1,472	14,570	667.0	22	255	19.0
1945	245	2,375	203.0	206	679	50.0	4	45	2.0	1,521	14,080	765.0	48	518	28.0
VEGETABLES															
BEANS, SNAP	65	615	67.0	41	245	90.0	2	16	2.0	167	1,195	170.0	25	205	25.0
BEETS 2/	7	85	3.0	3	45	2.0	-	-	-	6	65	3.0	-	-	-
BROCCOLI	27	125	18.0	9	50	7.0	-	-	-	28	100	16.0	-	-	-
BURDOCK	35	440	123.0	9	85	24.0	-	-	-	3	20	6.0	-	-	-
CABBAGE, HEAD	305	3,325	151.0	347	4,270	182.0	-	-	-	52	655	99.0	32	315	14.0
CABBAGE, ORIENTAL	96	715	53.0	45	505	30.0	-	-	-	197	1,380	138.0	8	65	6.0
CARROTS 2/	91	990	52.0	96	1,125	62.0	3	20	1.0	91	335	24.0	6	50	9.0
CAULIFLOWER	17	70	8.0	42	345	41.0	-	-	-	17	115	16.0	-	-	-
CELESTY	15	695	77.0	5	190	14.0	-	-	-	2	75	10.0	-	-	-
CORN, GREEN	28	140	8.0	42	190	11.0	38	20	1.0	194	810	58.0	27	130	8.0
CUCUMBERS	205	1,590	209.0	71	490	66.0	-	-	-	120	770	119.0	35	275	37.0
DAIKON 2/	148	1,855	74.0	19	345	14.0	-	-	-	56	980	44.0	-	-	-
DASHEENS	31	310	34.0	4	40	4.0	-	-	-	21	120	17.0	6	95	10.0
EGGPLANT	12	135	9.0	5	60	4.0	11	105	7.0	24	355	26.0	4	50	4.0
GINGER ROOT	24	740	131.0	4	90	16.0	2	-	-	-	-	-	1	40	7.0
LETTUCE	217	1,910	172.0	39	275	25.0	-	-	-	57	600	66.0	-	-	-
LOTUS ROOT	-	-	-	-	-	-	-	-	-	43	385	108.0	-	-	-
ONIONS, DRY	-	-	-	72	560	28.0	-	-	-	-	-	-	-	-	-
ONIONS, GREEN	8	110	13.0	2	40	5.0	-	-	-	52	740	96.0	-	-	-
PEAS (ALL TYPES)	9	35	18.0	12	30	15.0	-	-	-	19	35	18.0	-	-	-
PEPPERS, SWEET	26	170	94.0	14	80	16.0	-	-	-	19	115	23.0	17	105	21.0
POTATOES	15	120	6.0	54	300	15.0	4	20	1.0	-	-	-	-	-	-
PUMPKINS	7	65	3.0	40	310	16.0	-	-	-	6	50	3.0	-	-	-
RHUBARB	6	90	2.0	-	-	-	-	-	-	-	-	-	-	-	-
SQUASH, SUM. & ITALIAN	24	265	29.0	-	-	-	-	-	-	-	-	-	-	-	-
SQUASH, MISC.	20	180	9.0	-	-	-	-	-	-	16	170	10.0	-	-	-
SWEETPOTATOES	89	1,060	42.0	14	125	6.0	4	20	1.0	183	555	32.0	29	95	5.0
TARO (FOR MFR.)	247	2,490	189.0	69	1,305	78.0	18	245	15.0	453	5,880	365.0	219	2,775	167.0
TOMATOES	94	1,095	113.0	176	1,755	184.0	3	45	5.0	161	1,595	184.0	50	520	55.0

CONTINUED

TABLE 35--CONTINUED

COMMODITY	ACREAGE	HAWAII			MAUI			MOLOKAI			OAHU			KAUAI		
		PRODUC-	VALUE	TIONS	PRODUC-	VALUE	TIONS	PRODUC-	VALUE	TIONS	PRODUC-	VALUE	TIONS	PRODUC-	VALUE	TIONS
		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.																
WATERCRESS	2	80	9.0	1	40	5.0	-	-	-	22	1,250	156.0	1	30	4.0	
WATERMELONS	139	775	93.0	88	490	59.0	10	30	4.0	436	2,650	403.0	30	250	30.0	
YAM BEAN ROOT	2	55	5.0	-	-	-	-	-	-	6	30	3.0	10	155	12.0	
TOTAL VEGETABLES 1947...	2,011	20,990	1,756.0	1,323	19,325	969.0	95	521	37.0	2,331	20,790	2,154.0	500	5,155	408.0	
1946...	2,231	29,008	1,991.0	1,370	14,304	1,202.0	120	700	66.0	2,448	24,327	2,576.0	559	6,251	547.0	
1945...	2,802	29,935	1,940.0	1,814	15,067	1,054.0	287	1,391	90.0	2,969	32,691	2,704.0	1,058	9,664	673.0	
TOTAL FRUITS AND VEGETABLES																
1947...	2,295	23,175	1,915.0	1,592	13,990	1,017.0	182	559	39.0	3,813	34,440	3,088.0	530	5,285	416.0	
1946...	2,472	25,133	2,152.0	1,576	14,919	1,238.0	199	728	67.0	3,920	38,897	3,243.0	581	6,606	560.0	
1945...	3,047	32,810	2,143.0	2,020	15,740	1,104.0	291	1,436	92.0	4,490	46,771	3,469.0	1,106	10,182	701.0	
MISCELLANEOUS CROPS																
BEANS, DRY	-	-	-	12	20	4.0	-	-	-	-	-	-	-	-	-	-
COFFEE, GREEN	3,500	7,250 ^{3/}	1,892.0	-	-	-	-	-	-	-	-	-	-	-	-	-
CORN, FIELD (SHELLED)	618	705	35.0	169	150	8.0	-	-	-	-	-	-	-	-	-	-
MACADAMIA NUTS ^{4/}	672	580	99.0	6	20	4.0	2	-	-	123	30	5.0	227	50	9.0	
PEANUTS, UNSHELLED	14	17	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
RICE, MILLED	-	-	-	-	-	-	-	-	-	-	-	-	217	889	167.0	
TOTAL MISCELLANEOUS CROPS 1947...	4,804	8,552	2,029.0	187	190	16.0	2	-	-	123	30	5.0	444	939	176.0	
1946...	4,611	7,861	1,837.0	136	165	12.0	178	100	5.0	124	50	9.0	266	747	163.0	
1945...	4,834	7,430	1,118.0	159	215	9.0	350	210	7.0	129	73	11.0	242	917	93.0	
TOTAL DIVERSIFIED CROPS																
1947...	7,099	31,727	3,944.0	1,719	14,120	1,033.0	184	559	39.0	3,936	34,470	3,093.0	974	6,224	592.0	
1946...	7,083	32,994	3,989.0	1,712	15,084	1,250.0	377	828	72.0	4,044	38,947	3,252.0	847	7,353	723.0	
1945...	7,881	40,240	3,261.0	2,179	15,955	1,113.0	641	1,646	99.0	4,619	46,844	3,480.0	1,348	11,099	794.0	

^{1/} ACREAGE FOR SHORT-TERM CROPS CONSISTS OF PLANTINGS THAT WOULD NORMALLY BE HARVESTED IN 1947. 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/} WITH TOPS ON OAHU, TOPPED ON OTHER ISLANDS.

^{3/} PRELIMINARY ESTIMATE FOR 1947-48 CROP.

^{4/} UNSHELLED.

Table 36.--Summary of 1947 Estimated Hawaiian Fruit and Vegetable Production by Commodities and Months

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total 1947	Total 1946
1,000 pounds														
Fruits														
Avocados	115	82	119	90	54	59	73	71	80	123	113	96	1075	1360
Bananas	787	745	747	745	752	745	795	792	830	839	809	814	9400	8095
Bananas, cooking	5	6	7	6	7	7	6	6	6	5	6	8	75	55
Mangos, cultivated	-	-	-	5	5	22	55	13	-	-	-	-	100	80
Oranges	8	1	3	-	-	-	-	8	25	50	150	100	345	325
Papayas	357	414	339	299	415	542	731	456	489	550	491	440	5523	7563
Tangerines	25	10	5	-	-	-	1	2	2	15	50	40	150	115
Total fruits 1947	1297	1258	1220	1145	1233	1375	1661	1348	1432	1582	1619	1498	16668	
1946	1314	1284	1311	1412	1416	1518	1666	1600	1477	1604	1557	1434		17593
Vegetables														
Beans, snap	124	133	103	313	296	193	164	206	206	208	149	181	2276	2750
Beets 1/	11	15	25	18	16	22	17	11	16	14	17	13	195	333
Broccoli	24	30	20	29	36	27	32	26	13	12	9	17	275	395
Burdock	26	35	51	39	42	62	49	48	47	27	50	69	545	477
Cabbage, head	570	835	765	760	985	1045	780	650	695	690	745	645	9165	9271
Cabbage, oriental	332	223	151	217	227	166	191	222	210	211	227	288	2665	2925
Carrots 1/	138	172	244	256	304	306	257	236	183	188	113	123	2520	3487
Cauliflower	73	87	44	39	40	60	42	39	12	21	27	46	530	825
Celery	53	53	80	125	90	97	56	71	98	72	60	45	900	1630
Corn, green	140	79	113	106	131	94	85	94	60	90	158	140	1290	2630
Cucumbers	190	150	155	325	330	270	310	355	285	325	175	255	3125	4535
Daikon 1/	210	195	210	230	240	245	300	275	255	310	310	300	3080	2990
Dasheens	37	34	30	15	23	26	62	53	70	53	50	112	565	280
Eggplant	31	33	37	49	65	72	64	83	82	70	65	54	705	825
Ginger root	93	69	57	58	48	65	75	84	86	59	78	98	870	550
Lettuce	175	190	280	365	320	345	245	265	185	140	150	125	2785	3895
Lotus root	40	30	15	10	5	5	15	35	40	50	50	90	385	370
Onions, dry	-	-	-	15	55	120	150	130	90	-	-	-	560	485
Onions, green	59	70	74	88	72	83	79	68	68	71	73	85	890	1148
Peas (all types)	5	7	7	9	15	18	9	11	5	5	4	5	100	160
Peppers, sweet	14	18	17	21	43	51	55	50	39	72	47	43	470	580
Potatoes	12	24	34	34	75	49	34	19	49	35	40	35	440	995
Pumpkins	9	12	30	56	90	44	54	33	32	20	29	16	425	235

Table 36--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total 1947	Total 1946
	<u>1,000 pounds</u>													
<u>Vegetables--Contd.</u>														
Rhubarb	5	6	12	10	10	10	10	8	5	6	4	4	90	110
Squash, sum. & It.	1	1	20	45	50	45	20	30	3	12	25	13	265	345
Squash, misc.	12	10	16	5	3	35	27	50	42	65	50	35	350	490
Sweetpotatoes	98	152	158	205	250	199	163	191	121	133	105	80	1855	2430
Taro (for mfr.)	1043	1052	1130	1080	1015	1000	1025	1040	1100	1080	1005	1045	12615	11480
Tomatoes	372	320	399	350	480	500	410	447	455	430	407	380	4950	6570
Watercress	136	133	118	143	132	112	102	97	98	102	107	120	1400	1344
Watermelons	3	10	30	37	595	1580	1248	308	182	110	70	22	4195	3705
Yam bean root	24	20	21	23	35	28	10	22	9	11	9	28	240	215
Other vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-	230
Total veg. 1947	4060	4198	4446	5075	6118	6974	6140	5257	4841	4692	4408	4512	60721	
1946	5858	5459	5340	5905	7043	7089	6727	5591	5100	5133	4734	4711		68690
Total fruits and vegetables 1947	5357	5456	5666	6220	7351	8349	7801	6605	6273	6274	6027	6010	77389	
1946	7172	6743	6651	7317	8459	8607	8393	7191	6577	6737	6291	6145		86283

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

Table 37.--Estimated Monthly Production of Specified Fruits and Vegetables, 1947
By Commodities and Origin

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total 1947	Total 1946
Fruits	<u>1,000 pounds</u>													
Avocados														
Hawaii	90	65	105	70	35	40	50	50	60	85	65	75	790	905
Maui	12	7	6	10	10	8	3	3	2	10	14	10	95	95
Oahu	12	8	8	8	8	10	13	13	15	25	30	10	160	310
Kauai	1	2	-	2	1	1	7	5	3	3	4	1	30	50
Total 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
1945	193	164	155	133	87	157	273	306	251	250	196	197		2362
Bananas 1/														
Hawaii	35	40	40	45	45	50	45	40	40	35	30	40	485	530
Maui	30	25	25	25	25	30	45	40	40	40	35	30	390	310
Molokai	2	2	2	1	2	1	1	2	1	2	2	2	20	10
Oahu	715	675	675	670	675	660	695	700	740	760	740	740	8445	7085
Kauai	5	3	5	4	5	4	9	10	9	2	2	2	60	160
Total 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
1945	476	426	522	526	677	777	817	857	849	833	842	832		8434 2/
Papayas														
Hawaii	25	30	35	35	35	30	30	30	30	35	40	45	400	195
Maui	3	5	5	4	5	6	7	8	6	6	3	2	60	180
Molokai	1	1	1	1	2	3	2	2	1	2	1	1	18	18
Oahu	325	375	295	255	370	500	685	410	450	505	445	390	5005	7125
Kauai	3	3	3	2	3	3	7	6	2	2	2	2	40	45
Total 1947	357	414	339	299	415	542	731	456	489	550	491	440	5523	
1946	510	521	716	814	756	782	839	732	542	544	424	383		7563
1945	384	412	440	543	650	778	736	651	570	591	600	492		6847

1/ COOKING BANANAS NOT INCLUDED.

2/ INCLUDES COOKING BANANAS.

Continued

Table 37--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total 1947	Total 1946
Vegetables	1,000 pounds													
Beans, snap														
Hawaii	35	35	25	40	90	80	50	45	65	60	40	50	615	615
Maui	11	12	12	20	25	20	15	20	30	35	25	20	245	330
Molokai	1	1	1	3	1	3	1	1	1	1	1	1	16	40
Oahu	65	65	45	220	160	75	90	120	90	100	70	95	1195	1605
Kauai	12	20	20	30	20	15	8	20	20	12	13	15	205	160
Total 1947	124	133	103	313	296	193	164	206	206	208	149	181	2276	
1946	238	168	189	274	340	279	184	194	234	236	197	217		2750
1945	208	178	170	212	320	230	220	200	200	185	182	185		2490
Broccoli														
Hawaii	6	15	8	15	20	15	20	15	2	2	2	5	125	105
Maui	10	8	6	6	4	2	2	1	3	3	1	4	50	55
Oahu	8	7	6	8	12	10	10	10	8	7	6	8	100	235
Total 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
1945	23	20	23	32	44	41	36	39	31	26	27	26		368
Burdock														
Hawaii	20	25	40	30	35	50	40	40	40	20	40	60	440	380
Maui	4	8	8	8	6	7	8	7	6	6	9	8	85	80
Oahu	2	2	3	1	1	5	1	1	1	1	1	1	20	17
Total 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
1945	27	22	25	19	17	21	11	16	17	18	14	19		226
Cabbage, head														
Hawaii	200	250	300	300	420	425	330	350	450	330	370	200	3925	4675
Maui	285	450	350	350	425	540	400	235	180	300	355	400	4270	3380
Molokai	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Oahu	65	90	75	80	110	55	40	35	30	30	10	35	655	430
Kauai	20	45	40	30	30	25	10	30	35	30	10	10	315	270
Total 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
1945	586	812	1034	927	1112	926	886	945	590	515	700	896		9929

Table 37--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total 1947	Total 1946
Vegetables--Contd.	1,000 pounds													
Cabbage, oriental														
Hawaii	50	60	55	40	60	60	70	50	45	55	70	100	715	640
Maui	60	50	10	40	60	30	35	40	40	40	60	40	505	605
Molokai	-	-	-	-	-	-	-	-	-	-	-	-	-	20
Oahu	210	110	80	130	100	75	85	125	120	115	90	140	1380	1615
Kauai	12	3	6	7	7	1	1	7	5	1	7	8	65	45
Total 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
1945	413	390	344	356	313	223	115	117	140	156	202	317		3086
Carrots														
Hawaii	50	70	75	110	100	115	120	90	80	90	40	50	990	1580
Maui	65	65	125	100	160	150	105	120	80	70	50	35	1125	1605
Molokai	1	1	1	3	4	3	2	1	1	1	1	1	20	17
Oahu	20	35	35	35	35	30	25	20	20	25	20	35	335	240
Kauai	2	1	8	8	5	8	5	5	2	2	2	2	50	45
Total 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
1945	218	226	330	338	463	374	268	256	198	194	148	162		3175
Cauliflower														
Hawaii	3	2	6	2	8	10	15	12	2	3	3	4	70	85
Maui	50	55	30	35	30	40	15	15	5	10	20	40	345	340
Molokai	-	-	-	-	-	-	-	-	-	-	-	-	-	20
Oahu	20	30	8	2	2	10	12	12	5	8	4	2	115	380
Total 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
1945	78	63	66	74	106	100	85	91	190	104	128	160		1245

Continued

Table 37--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total 1947	Total 1946
	1,000 pounds													
Vegetables--Contd.														
Celery														
Hawaii	45	40	50	60	50	80	50	65	90	70	55	40	695	925
Maui	5	10	25	25	20	13	6	6	8	2	5	5	130	295
Oahu	3	3	5	40	20	4	-	-	-	-	-	-	75	375
Kauai	-	-	-	-	-	-	-	-	-	-	-	-	-	35
Total 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
1945	360	441	510	695	745	474	273	95	95	105	115	185		4093
Corn, green														
Hawaii	7	2	8	5	10	12	15	18	10	20	18	15	140	370
Maui	3	10	25	25	15	15	15	12	20	20	15	15	190	130
Molokai	-	-	-	-	-	-	-	-	-	-	-	-	20	25
Oahu	110	55	50	60	85	65	45	55	20	50	115	100	810	1385
Kauai	20	12	20	11	16	2	10	9	10	-	10	10	130	720
Total 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
1945	310	555	545	275	330	210	235	155	145	170	225	130		3285
Cucumbers														
Hawaii	80	95	110	105	120	150	180	140	150	250	90	120	1590	1685
Maui	20	15	20	80	70	60	40	40	55	30	35	25	490	865
Molokai	-	-	-	-	-	-	-	-	-	-	-	-	-	50
Oahu	65	30	15	105	120	50	80	95	60	35	30	85	770	1365
Kauai	25	10	10	35	20	10	10	80	20	10	20	25	275	570
Total 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
1945	359	228	244	391	660	660	590	559	505	415	235	342		5188

Continued

Table 37--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total 1947	Total 1946
	<u>1,000 pounds</u>													
<u>Vegetables--Contd.</u>														
Daikon														
Hawaii	100	130	140	130	135	150	180	160	150	190	200	190	1855	1570
Maui	30	15	10	20	35	25	45	35	30	35	35	30	345	350
Molokai	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Oahu	80	50	60	80	70	70	75	80	75	85	75	80	880	995
Kauai	-	-	-	-	-	-	-	-	-	-	-	-	-	65
Total 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
1945	257	192	242	278	330	232	227	217	215	208	275	295		2968
Eggplant														
Hawaii	7	9	7	5	7	14	14	19	20	14	11	8	135	115
Maui	2	2	6	5	7	6	6	6	6	6	4	4	60	95
Molokai	3	4	3	8	10	9	7	10	10	16	14	11	105	105
Oahu	18	17	20	30	40	35	30	35	35	30	35	30	355	430
Kauai	1	1	1	1	1	8	7	13	11	4	1	1	50	80
Total 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
1945	43	50	63	58	67	86	74	84	128	163	115	101		1032
Lettuce														
Hawaii	100	110	200	290	220	240	170	195	140	85	90	70	1910	2750
Maui	25	40	30	25	30	45	20	20	10	10	10	10	275	490
Oahu	50	40	50	50	70	60	55	50	35	45	50	45	600	625
Kauai	-	-	-	-	-	-	-	-	-	-	-	-	-	30
Total 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
1945	406	623	446	321	764	1041	544	307	347	322	344	379		5844

Continued

Table 37--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total 1947	Total 1946
<u>1,000 pounds</u>														
<u>Vegetables--Contd.</u>														
Onions, green														
Hawaii	12	12	12	8	8	10	6	6	6	8	10	12	110	215
Maui	2	3	7	5	4	3	3	2	2	3	3	3	40	55
Molokai	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Oahu	45	55	55	75	60	70	70	60	60	60	60	70	740	850
Kauai	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Total 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
1945	112	111	110	129	137	120	149	162	158	157	135	110		1590
Peppers, sweet														
Hawaii	6	10	10	5	6	10	25	30	17	16	20	15	170	175
Maui	2	1	1	1	2	1	5	10	10	18	15	14	80	85
Oahu	5	5	5	10	25	20	10	8	7	8	7	5	115	220
Kauai	1	2	1	5	10	20	15	2	5	30	5	9	105	100
Total 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
1945	59	43	37	43	52	52	48	45	70	100	88	65		702
Sweetpotatoes														
Hawaii	50	80	90	140	160	110	100	125	60	60	60	25	1060	1095
Maui	10	20	8	12	6	10	10	12	8	12	10	7	125	95
Molokai	1	1	2	1	2	3	1	1	1	2	3	2	20	35
Oahu	30	45	55	45	75	60	40	45	45	50	25	40	555	1035
Kauai	7	6	3	7	7	16	12	8	7	9	7	6	95	170
Total 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
1945	155	166	129	133	156	211	161	201	145	221	161	231		2070

Table 37--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total 1947	Total 1946
Vegetables--Contd.	1,000 pounds													
Taro														
Hawaii	150	175	190	290	180	210	220	235	215	205	205	215	2490	2190
Maui	90	90	85	110	105	70	135	115	135	125	125	120	1305	975
Molokai	8	7	10	30	40	50	20	20	15	15	15	15	245	95
Oahu	675	530	590	400	485	510	495	415	570	400	330	400	5800	6135
Kauai	120	250	255	250	205	160	155	255	165	335	330	295	2775	2085
Total 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
1945	1309	1204	1424	1376	1383	1398	1371	1316	1343	1358	1292	1376		16150
Tomatoes														
Hawaii	200	130	100	80	60	70	50	70	75	60	70	130	1095	1365
Maui	60	50	105	90	105	150	185	250	230	230	200	100	1755	2005
Molokai	2	5	9	5	5	5	5	2	-	-	2	5	45	75
Oahu	90	110	150	135	220	190	100	95	120	115	105	105	1535	1920
Kauai	20	25	35	40	90	85	70	30	30	25	30	40	520	1205
Total 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
1945	752	740	710	675	733	1203	1140	1187	1300	1218	1182	740		11580
Watermelons														
Hawaii	-	10	30	15	40	135	300	90	60	25	50	20	775	610
Maui	-	-	-	10	25	125	275	40	10	5	-	-	490	440
Molokai	-	-	-	2	5	10	8	3	2	-	-	-	30	70
Oahu	-	-	-	5	450	1250	650	150	90	45	10	-	2650	2205
Kauai	3	-	-	5	75	60	15	25	20	35	10	2	250	380
Total 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
1945	-	2	3	43	365	732	1100	570	192	131	92	80		3310

Continued

Table 37--Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total 1947	Total 1946
Miscellaneous Crops	<u>1,000 pounds</u>													
Corn, field (shelled)														
Hawaii	90	-	10	10	95	60	60	35	95	70	100	80	705	515
Maui	-	-	25	16	30	40	25	10	-	-	4	-	150	135
Molokai	-	-	-	-	-	-	-	-	-	-	-	-	-	100
Kauai	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Total 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
1945	152	203	17	60	136	170	100	172	39	21	8	37		1115
Macadamia nuts														
Hawaii	50	40	35	35	35	50	60	60	65	60	50	40	580	430
Maui	3	3	3	2	-	1	1	2	2	1	1	1	20	10
Oahu	-	-	-	-	-	2	3	5	5	5	5	5	30	20
Kauai	5	5	5	2	2	2	3	10	3	4	4	5	50	170
Total 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
1945	51	40	24	28	27	26	43	60	50	73	74	51		557