

## SPECIAL STATISTICS

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! AQUACULTURE

! AGRICULTURAL LABOR

! FERTILIZER CONSUMPTION



## AQUACULTURE: Number of operations, production, and value, by counties, 1998-2002

Year	Number of operations	Production			Value				
		Shellfish <sup>1</sup>	Finfish	Algae	Shellfish	Finfish	Algae	Other <sup>2</sup>	Total
		----- 1,000 pounds -----			----- 1,000 dollars -----				
<b>State</b>									
1998	105	700.4	218.0	1,324.7	4,959.9	958.0	8,294.9	2,406.9	16,619.7
1999	100	996.0	215.0	1,193.0	6,393.0	1,010.0	7,883.0	2,816.0	18,102.0
2000	85	1,190.0	440.0	1,268.0	7,677.0	2,302.0	8,447.0	3,744.0	22,170.0
2001	80	1,166.0	467.0	--	7,464.0	2,404.0	9,684.0	2,648.0	22,200.0
<b>2002</b>	<b>70</b>	<b>1,378.0</b>	<b>542.0</b>	<b>--</b>	<b>8,212.0</b>	<b>2,683.0</b>	<b>10,505.0</b>	<b>3,780.0</b>	<b>25,180.0</b>
<b>Counties:</b>									
<b>Hawaii</b>									
1998	44	485.3	44.8	3	3,647.5	3	3	1,476.4	13,382.5
1999	42	475.0	86.0	1,022.0	3,513.0	562.0	7,473.0	1,829.0	13,377.0
2000	37	450.0	3	1,035.0	3,571.0	3	7,953.0	3	16,009.0
2001	33	425.0	3	--	3,061.0	3	9,021.0	3	16,198.0
<b>2002</b>	<b>26</b>	<b>269.0</b>	<b>3</b>	<b>--</b>	<b>3,050.0</b>	<b>3</b>	<b>9,627.0</b>	<b>3</b>	<b>17,328.0</b>
<b>Honolulu</b>									
1998	46	3	130.5	3	1,013.4	3	3	279.5	2,099.6
1999	44	222.0	114.0	3	1,370.0	408.0	3	241.0	2,333.0
2000	35	359.0	72.0	3	2,123.0	349.0	3	3	2,985.0
2001	32	304.0	95.0	--	1,843.0	491.0	3	3	2,815.0
<b>2002</b>	<b>30</b>	<b>414.0</b>	<b>3</b>	<b>--</b>	<b>2,351.0</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4,180.0</b>
<b>Kauai</b>									
1998	3		3			3		3	3
1999	4	3	3	3	3	3	3	3	3
2000	4	3	3		3	3		3	3
2001	4	3	3		3	3		3	3
<b>2002</b>	<b>4</b>	<b>3</b>	<b>3</b>		<b>3</b>	<b>3</b>		<b>3</b>	<b>3</b>
<b>Maui</b>									
1998	12	3	3	3	3	3	3	3	3
1999	10	3	3	3	3	3	3	3	3
2000	9	3	3		3	3	3	3	3
2001	11	3	3	--	3	3		3	3
<b>2002</b>	<b>10</b>	<b>3</b>	<b>3</b>	<b>--</b>	<b>3</b>	<b>3</b>		<b>3</b>	<b>3</b>

-- Not applicable.

<sup>1</sup> Some shellfish products sold by pieces, pounds not given.

<sup>2</sup> Non-food products: ornamental fish, seed stock, other. Items not sold by weight.

<sup>3</sup> Data not shown separately to avoid disclosure of individual operations but combined and included in the State total.

# LABOR

## AGRICULTURAL LABOR: Workers on farms, annual and quarterly averages, State of Hawaii, 1998-2002 <sup>1</sup>

Year	Total farm employment			Hired workers by type of farm		
	Self-employed farm operators	Unpaid workers <sup>2</sup>	Hired workers <sup>3</sup>	Sugar	Pineapple	Other
1998	2,700	1,200	7,400	1,200	1,200	5,000
1999	3,000	1,200	7,600	1,200	1,300	5,200
2000	3,100	1,000	7,800	1,000	1,200	5,600
2001	3,300	1,100	7,400	800	1,200	5,500
<b>2002</b>	<b><sup>4</sup>3,000</b>	<b><sup>4</sup>1,100</b>	<b>7,500</b>	<b>900</b>	<b>1,300</b>	<b>5,400</b>
January	2,900	1,000	7,800	800	1,200	5,800
April	3,000	1,200	7,200	800	1,250	5,150
July	<sup>4</sup>	<sup>4</sup>	7,300	800	1,450	5,050
October	<sup>4</sup>	<sup>4</sup>	7,600	1,000	1,200	5,400

<sup>1</sup> Averages are based on data collected from the January, April, July, and October surveys.

<sup>2</sup> Includes family members and others working 15 or more hours per week.

<sup>3</sup> Sum of hired workers by type of farm may not add to hired workers total due to rounding.

<sup>4</sup> Beginning July 2002, estimates for self-employed and unpaid workers have been discontinued due to a change in the national labor statistics program.

## AGRICULTURAL LABOR: Annual average number of workers on farms, by counties, 1998-2002 <sup>1</sup>

Year	Self-employed farm operators	Unpaid workers <sup>2</sup>	Hired workers	Year	Self-employed farm operators	Unpaid workers <sup>2</sup>	Hired workers
<b>Counties:</b>							
<b>Hawaii</b>				<b>Kauai</b>			
1998	1,750	650	2,550	1998	200	100	800
1999	1,850	600	2,400	1999	250	100	900
2000	1,800	550	2,700	2000	300	50	950
2001	1,950	550	2,650	2001	350	150	650
<b>2002</b>	<b><sup>3</sup>1,700</b>	<b><sup>3</sup>600</b>	<b>2,450</b>	<b>2002</b>	<b><sup>3</sup>250</b>	<b><sup>3</sup>100</b>	<b>750</b>
<b>Honolulu</b>				<b>Maui</b>			
1998	450	250	2,100	1998	350	150	1,950
1999	500	300	2,100	1999	450	200	2,200
2000	500	200	2,200	2000	500	150	2,000
2001	550	250	2,300	2001	500	150	1,800
<b>2002</b>	<b><sup>3</sup>550</b>	<b><sup>3</sup>250</b>	<b>2,100</b>	<b>2002</b>	<b><sup>3</sup>500</b>	<b><sup>3</sup>150</b>	<b>2,250</b>

<sup>1</sup> Averages are based on data collected from the January, April, July, and October surveys.

<sup>2</sup> Includes family members and others working 15 or more hours per week.

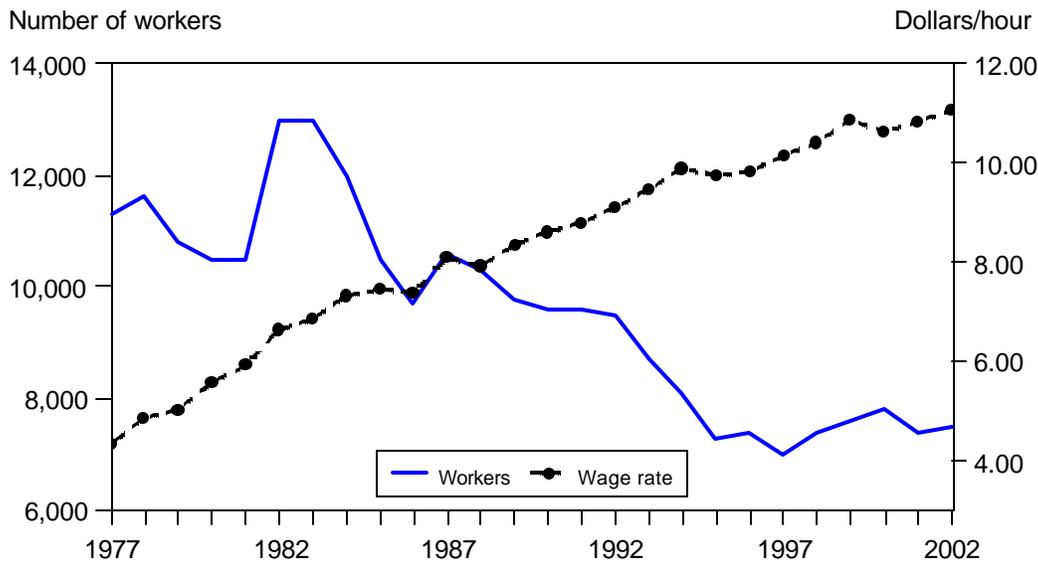
<sup>3</sup> Beginning July 2002, estimates for self-employed and unpaid workers have been discontinued due to a change in the national labor statistics program.

**AGRICULTURAL LABOR: Wage rates by type of work, annual and quarterly averages, State of Hawaii, 1998-2002**

Year	Type of work performed			
	All farms		Farms with 1-9 workers	
	Field/livestock	All hired workers	Field/livestock	All hired workers
1998	8.97	10.41	7.27	8.03
1999	9.38	10.87	<sup>1</sup> 7.71	<sup>1</sup> 8.57
2000	9.05	10.62	<sup>1</sup> 7.68	<sup>1</sup> 8.59
2001	9.29	10.83	8.15	8.70
<b>2002</b>	<b>9.42</b>	<b>11.07</b>	<b>8.26</b>	<b>9.66</b>
January	9.33	10.90	8.01	8.78
April	9.43	11.14	8.36	10.32
July	9.67	11.29	8.76	9.46
October	9.32	11.02	8.14	10.05

<sup>1</sup> Revised.

**Hired Work Force and Average Wage Rate, State of Hawaii, 1977-2002**



Number of workers is average of January, April, July, and October surveys, except 1981 January and April, 1982-83 July and 1984 July and October.

HASS

# FERTILIZER

## FERTILIZER: Commercial consumption, State of Hawaii, 1998-2002

Type	Year ending June 30				
	1998	1999	2000 <sup>1</sup>	2001 <sup>2</sup>	2002 <sup>2</sup>
<b>Consumption of fertilizers by class - Short tons of material</b>					
Total fertilizer	112,762	98,103	90,000	90,000	<b>90,000</b>
Total dry single-nutrient	29,275	25,470	23,366	23,366	<b>23,366</b>
Total dry multiple-nutrient	33,924	29,514	27,076	27,076	<b>27,076</b>
Fluid single-nutrient	26,350	22,925	21,031	21,031	<b>21,031</b>
Fluid multiple-nutrient	18,943	16,481	15,119	15,119	<b>15,119</b>
Total single-nutrient	55,625	48,394	44,397	44,397	<b>44,397</b>
Total multiple-nutrient	52,868	45,995	42,196	42,196	<b>42,196</b>
Total N	17,333	15,080	13,834	13,834	<b>13,834</b>
N in multi-nutrients	6,990	6,081	5,579	5,579	<b>5,579</b>
Total available P <sub>2</sub> O <sub>5</sub>	5,890	5,125	4,701	4,701	<b>4,701</b>
Available P <sub>2</sub> O <sub>5</sub> in multi-nutrients	5,776	5,025	4,610	4,610	<b>4,610</b>
Total K <sub>2</sub> O	13,381	11,641	10,680	10,680	<b>10,680</b>
K <sub>2</sub> O in multi-nutrients	9,276	8,071	7,404	7,404	<b>7,404</b>
Total plant nutrients	36,604	31,845	29,215	29,215	<b>29,215</b>
Average analysis	33.7	33.7	33.7	33.7	<b>33.7</b>
Total in multi-nutrients	19,177	19,177	17,593	17,593	<b>17,593</b>
<b>Selected single-nutrient materials - Short tons of material</b>					
Nitrogen solutions	18,783	16,341	14,991	14,991	<b>14,991</b>
Urea	2,554	2,222	2,038	2,038	<b>2,038</b>
Ammonium sulfate	15,744	13,697	12,566	12,566	<b>12,566</b>
Secondary and micronutrients	4,269	3,714	3,407	3,407	<b>3,407</b>
<b>Consumption of multiple-nutrient fertilizers - Short tons of material</b>					
N-P-K	46,382	40,353	37,019	37,019	<b>37,019</b>
N-P	6,485	5,642	5,176	5,176	<b>5,176</b>

<sup>1</sup> An estimate of the total tonnage for 2000 was set equal to 92% of the 1999 tonnage based on information provided by industry representatives. The total tonnage was proportioned into the tonnage for the individual materials and grades in the same ratio as in the original TVA estimate. The specific materials and grades reported are based on a TVA estimate from about 1989 that have been carried forward and adjusted each year.

<sup>2</sup> An estimate of the total tonnage for 2001-2002 was set equal to 100% of the 2000 tonnage. The total tonnage was proportioned into the tonnage for the individual materials and grades in the same ratio as in the original TVA estimate. The specific materials and grades reported are based on a TVA estimate from about 1989 that have been carried forward and adjusted.

Source: The Association of American Plant Food Control Officials and the Fertilizer institute.

## DEFINITION OF TERMS

**AGRICULTURE** entails all operations performed on a "farm" in connection with planting, growing, and harvesting of crops; raising and feeding of livestock and poultry, and management. All operations in connection with preparation of farm products for market where the preparation does not alter the form of the product and transportation to the first delivery point. In Hawaii, the first delivery point is defined as the processing plant or packinghouse door or other receivers' establishment for marketings on the island of production. For off-island marketings, the first delivery point is generally the shipper's warehouse.

**FARM** is a place with estimated (or expected) annual sales of agricultural products of at least \$1,000.

**CROP PRODUCTION** is the estimated amount of crop harvested and transferred at the first delivery point. Production estimates of vegetables and fruits include the quantity for fresh market and processing use.

**ACREAGE IN CROP** is the total acreage standing in a specific crop regardless of age or condition unless it has been declared abandoned by the operator.

**ACREAGE HARVESTED** is the total area harvested or partially harvested during the reporting period. A permanent or semi-permanent planting that was harvested for only a portion of the year is counted in its entirety. Acreage lost before maturity due to natural or economic factors is not included. Acreage harvested and planted repeatedly during the year is counted each time.

**YIELD** is the average production per acre of merchantable quality harvested and sold or utilized. This is derived by dividing total production by harvested acres.

**LIVESTOCK OPERATION** is defined as a place that has one or more head of the species on hand at any time during the year. It does not have to meet the definition of a farm.

**LIVESTOCK PRODUCTION** is the estimated amount of livestock and livestock products sold. This includes allowance for amounts used on farms where produced.

**FARM PRICE** is a computed price to value agricultural production which may or may not reflect the average price at which actual transfer of ownership took place but which is comparable with the definition of "agriculture". See "agriculture" for the definition of pricing point.

**MARKET SUPPLY** includes pounds of product sold in Hawaii to both Armed Forces and civilians (outshipments excluded). Direct inshipments to the Armed Forces are excluded.

## SAMPLING METHODS AND ESTIMATION

The Hawaii Agricultural Statistics Service uses a variety of sampling techniques to produce current agricultural statistics about crops, livestock, prices, farm labor, and other information relating to the agricultural economy.

Data is collected, summarized and estimates are prepared. These estimates then pass through the Agricultural Statistics Board of the U. S. Department of Agriculture where, for major items, Hawaii estimates become part of National totals and enter the official data base for agriculture. National and State estimates are published according to a schedule set one year in advance.

The Hawaii Agricultural Statistics Service conducts many of its surveys by virtually complete **ENUMERATION** of certain parts of the population. This is unusual compared to procedures in other states but is feasible in Hawaii due to the relatively small size of certain categories of the farm universe or the extreme concentration of ownership.

**LIST SAMPLING** is a common means of data collection. Lists of farm operators are well suited for the low cost collection of information by mail. Supplementary information is included within the frame that allows the use of efficient stratified sample designs. A major disadvantage of this method is the constant change in the list frame which can never be perfect. In Hawaii, cattle, hog, macadamia nut and coffee surveys are examples of stratified list sample designs.

**AREA FRAME SAMPLING** can be used alone or in conjunction with the list frame. The frame consists of an aggregation of identifiable units of land or segments which may be sampled. The frame is complete and does not suffer the type of deterioration over time as does a list frame.

**MULTIPLE-FRAME SAMPLING** is the use of two frames. It takes advantage of the best attributes of the area frame and the list frame, produces unbiased estimates and allows measurement of the sampling error.

**OBJECTIVE YIELD SURVEYS** provide information from direct counts, measurements and weights of the crop made from small plots in a probability selection of sample fields.

**ADMINISTRATIVE DATA** is used in addition to producer surveys to establish final production and marketings. These include processor receipts, slaughter, vacuum cooler volume, and inspections. Unloads at Honolulu and wholesale prices as reported by the Market Analysis and News Branch, are an important check data source.



# REPORTS ISSUED

Title and Description	Release date
<b>CROPS</b>	
<b>AVOCADOS:</b> Annual summary of acreage, yield, production, farm price, and value .....	May
<b>BANANAS:</b>	
- Monthly report on sales, farm price, and production forecast .....	Last week of the month
- Annual summary of acreage, yield, production, farm price, and value .....	May
<b>COFFEE:</b>	
- Preliminary season estimates of acreage, yield, production, farm price, and value .....	December
- Final season estimates of acreage, yield, production, farm price, and value .....	August
<b>FRUITS:</b>	
- Annual summary of fresh and processed fruit production, acreage, farm price, and value .....	September
- Annual summary of tropical specialty fruits - acreage, production, and value .....	August
<b>GINGER ROOT:</b> Annual summary of acreage, yield, production, farm price, and value. Planting intentions for next season .....	August
<b>GUAVAS:</b> Annual summary of acreage, yield, production, farm price, and value .....	June
<b>HERBS:</b> Annual summary of fresh production, farm price, and value .....	August
<b>KAWA:</b> Annual summary of acreage, sales, farm price, and value .....	March
<b>MACADAMIA NUTS:</b>	
- Preliminary season estimates of acreage, yield, production, farm price, and value .....	January
- Final season estimates of acreage, yield, production, farm price, and value .....	July
<b>PAPAYAS:</b> Monthly report of acreage, utilization, and farm price .....	Mid-month
<b>PINEAPPLES:</b> Annual summary of acreage, production, farm price, and value .....	February
<b>SEED CROP:</b> Annual summary of acreage, outshipments of seed, and value .....	October
<b>SUGARCANE:</b> Estimates of acreage and production for all major U.S. producing areas .....	August-November
<b>TARO:</b>	
- Quarterly report of taro milled for poi .....	Jan., Apr., Jul., Oct.
- Annual summary of acreage, production, and farm prices for Chinese and wetland taro varieties .....	April
<b>VEGETABLES:</b>	
- Monthly report of acreage, sales, and farm price for selected major vegetables and melons. Includes forecast of production and harvested acreage .....	Second week of month
- Annual summary of acreage, production, and value for all vegetables and melons .....	July
<b>FLORICULTURE AND NURSERY PRODUCTS</b>	
<b>FLORICULTURE AND NURSERY PRODUCTS:</b> Annual summary of area, production, and value .....	June
<b>POINSETTIAS:</b> Fall report of plant inventory and past year sales .....	October
<b>LIVESTOCK</b>	
<b>LIVESTOCK REVIEW:</b> Monthly hog and cattle slaughter, cattle outshipment, pasture conditions, number of milk cows and milk production, number of layers and egg production, and farm prices .....	Last week of month
<b>CATTLE:</b> Annual summary of inventory and calf crop as of January 1 .....	February
<b>HOGS:</b> Annual summary of inventory and pig crop as of December 1 .....	January
<b>HONEY:</b> Annual summary of colonies, production, yield, farm price, and value .....	February
<b>OTHER PUBLICATIONS</b>	
<b>AQUACULTURE:</b> Annual summary of operations, production, and value .....	September
<b>CROP WEATHER:</b> Weekly comments on weather and crop conditions. Rainfall data for selected stations .....	First working day of week
<b>FARM LABOR:</b> Quarterly report on number of workers by type and average wage rates .....	Feb., May, Aug., Nov.
<b>STATISTICS OF HAWAII AGRICULTURE:</b> A statistical summary of the State's agricultural sector .....	October

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# 2002 AGRICULTURAL CENSUS

## National Agricultural Statistics Service (NASS)

Census Contact: Janet Allen, (202) 690-8122, janet\_allen@nass.usda.gov

NASS Customer Service: (800) 727-9540, nass@nass.usda.gov

## NASS To Release Preliminary Census Data on February 3, 2004

- WHAT'S COMING OUT? - The U.S. Department of Agriculture's National Agricultural Statistics Service (NASS) will begin releasing data on the Nation's largest information-gathering project for agriculture — the 2002 Census of Agriculture — on February 3, 2004. Historical Highlights of the United States and all 50 States for 2002 and earlier census years will be available for the following data items:

- Farms
- Land in farms
- Farms by size categories
- Total cropland
- Irrigated land
- Farms by value of sales categories
- Farms by type of organization
- Principal operator by days of work off farm
- Principal operator by primary occupation

Selected Operator Characteristics data by race, gender, and national origin will also be available on February 3. Data items include:

- Sex of operator
- Primary occupation
- Place of residence
- Days worked off farm
- Years on present farm
- Age group categories
- Race
- Living on an American Indian reservation
- Number of persons living in household of:
  - principal operator
  - second operator
  - third operator

- FINAL CENSUS DATA TO FOLLOW - Complete tabulated census of agriculture data for the U.S., States, and the 3,000 plus counties, comparable to previous censuses, will be made available in Spring 2004. A census redesign on new computer systems will require some additional time to provide detailed data for a more complete census picture than has been previously possible.
- NEW ITEMS - New on the 2002 Census of Agriculture are information on: operator characteristics on multiple (up to 3) operators per farm; production contracts/landlord shares; computer and Internet use; more detailed farm-related income; and new commodities (bison, elk, llamas, deer, emus, and ostriches).
- KEY DATA ITEMS - Other key data items collected and tabulated include: land use and ownership; acres irrigated; crop acreage and quantities harvested; livestock and poultry inventories; value of products sold; participation in Federal farm programs; market value of land and buildings; number of hired farm workers; and the structure of U.S. farming and ranching operations.
- REPORTS - All reports will be available free through the NASS website at [www.usda.gov/nass/](http://www.usda.gov/nass/). To order a printed copy of any NASS report, call the NASS Order Desk at 1-800-999-6779. For additional information on the census of agriculture, call the NASS Hotline at 1-800-727-9540. Subscribe to receive e-mailed news releases and announcements on the census and survey results at the NASS Homepage and click on News and Coming Events.

**STATE STATISTICAL OFFICES  
TO REQUEST DATA FROM THE OTHER STATISTICAL OFFICES, WRITE:  
(STATE) AGRICULTURAL STATISTICS SERVICE.**

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(334) 279-3555

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(208) 334-1507

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Albany 12235  
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Sioux Falls 57117  
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P.O. Box 799  
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Salt Lake City 84125  
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P.O. Box 1258  
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Baton Rouge 70896  
(225) 922-1362

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P.O. Box 1444  
Concord 03302  
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P.O. Box 1809  
Las Cruces 88004  
(505) 522-6023

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P.O. Box 1911  
Columbia 29202  
(803) 765-5333

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D. W. Coulter  
P.O. Box 1148  
Cheyenne 82003  
(307) 432-5600

<sup>1</sup> Includes Connecticut, Maine, Massachusetts, Rhode Island, and Vermont.

## COOPERATIVE EXTENSION SERVICE COUNTY OFFICES AND USDA FARM SERVICE AGENCIES

Cooperative Extension Service  
Hawaii County Office  
875 Komohana St.  
Hilo, HI 96720  
(808) 959-9155

Cooperative Extension Service  
Kamuela Office  
67-5189 Kamamalu St.  
Kamuela, HI 96743  
(808) 887-6183

Cooperative Extension Service  
Kona Office  
79-7381 Mamalahoa Hwy  
Kealahou, HI 96750-7911  
(808) 322-4892

Cooperative Extension Service  
Maui Office  
310 Kaahumanu Ave. Bldg. 214  
Kahului, HI 96732  
(808) 244-3242

Cooperative Extension Service  
Molokai Office  
PO Box 394  
Hoolehua, HI 96729  
(808) 567-6929

Cooperative Extension Service  
Kauai County Office  
3060 Eiwa St. Rm 210  
Lihue, HI 96766  
(808) 274-3471

Cooperative Extension Service  
Wahiawa Office  
910 California Ave.  
Wahiawa, HI 96786  
(808) 622-4185

Cooperative Extension Service  
Kaneohe Office  
45-260 Waikalua Rd. Rm 101  
Kaneohe, HI 96744  
(808) 247-0421

Cooperative Extension Service  
Pearl City Office  
962 2nd St.  
Pearl City, HI 96782  
(808) 453-6050

Cooperative Extension Service  
Oahu County Office  
1955 E West Rd. Ag Science 217  
Honolulu, HI 96822  
(808) 956-7138

USDA Hawaii County FSA Office  
Room 219 & 221 Federal Bldg.  
154 Waiianuenue Ave.  
Hilo, HI 96720  
(808) 933-8381

USDA Maui County FSA Office  
Millyard Plaza  
210 Imi Kala St. Suite 207  
Wailuku, HI 96793  
(808) 244-3100

USDA Kauai County FSA Office  
Watumull Bldg.  
4334 Rice St. Rm 103  
Lihue, HI 96766  
(808) 245-9014

USDA Honolulu County FSA Office  
99-193 Aiea Heights Drive Suite 114  
Aiea, HI 96701  
(808) 483-8609

# INDUSTRY ASSOCIATIONS

## **ANTHURIUM**

Hawaiian Anthurium Industry  
Association  
P.O. Box 4755  
Hilo, HI 96720

## **AQUACULTURE**

Hawaii Aquaculture Association  
Aquaculture Development Program  
1177 Alakea St. Rm 400  
Honolulu, HI 96813  
(808) 587-0030

## **AVOCADO**

Hawaii Avocado Association  
P.O. Box 925  
Kealahou, HI 96750  
(808) 322-7873

## **AWA (KAWA)**

Association for Hawaiian Awa  
P.O. Box 636  
Pepeekeo, HI 96783  
(808) 965-8394

Hawaii Awa Council  
P.O. Box 216  
Kurtistown, HI 96760  
(808) 968-6837

## **BANANA**

Hawaii Banana Industry Association  
421 Lama St.  
Hilo, HI 96720  
(808) 981-0805

## **BEEKEEPERS**

Big Island Beekeepers Association  
HC 1 Box 5296  
Keaau, HI 96749  
(808) 982-6431

Hawaii Beekeepers Association  
3081 G Paty Drive  
Honolulu, HI 96822  
(808) 988-7203

## **CATTLE**

Hawaii Beef Industry Council  
91-2002 Fort Weaver Rd  
Ewa Beach, HI 96706  
(808) 672-5042

## **COFFEE**

Kona Coffee Council  
P.O. Box 2077  
Kealahou, HI 96750  
(808) 937-9533

Kona Pacific Farmers Cooperative  
P.O. Box 309  
Captain Cook, HI 96704  
(808) 328-2411

Hawaii Coffee Association  
75-5629 Kuakini Hwy Suite R #648  
Kailua Kona, HI 96740  
(808) 328-9120

## **CROP IMPROVEMENT**

Hawaii Crop Improvement Association  
P.O. Box 520  
Waialua, HI 96791  
(808) 637-0100

## **EGG**

Hawaii Egg Producers Association  
C/O 850 Davies Pacific Center  
841 Bishop St. Suite 850  
Honolulu, HI 96813  
(808) 522-5133

## **FARM (General)**

Hawaii Farm Bureau Federation  
2343 Rose St.  
Honolulu, HI 96819  
(808) 848-2074

## **FLOWERS & NURSERY**

Big Island Association of Nurserymen  
P.O. Box 4365  
Hilo, HI 96720

Big Island Dendrobium Growers  
Association of Hawaii (BIDGA)  
P.O. Box 4153  
Hilo, HI 96720  
(808) 966-7610

Dendrobium Orchid Growers  
Association of Hawaii (DOGAH)  
P.O. Box 1324  
Wahiawa, HI 96786  
622-4185

Hawaii Association of Nurserymen  
1833 Kalakaua Ave Suite 211  
Honolulu, HI 96815  
(808) 951-0055

Hawaii Export Nursery Association  
P.O. Box 11120  
Hilo, HI 96721  
(808) 969-2088

Hawaii Florists and Shippers  
Association  
P.O. Box 5640  
Hilo, HI 96720  
(808) 959-0621

Hawaii Landscape & Irrigation  
Contractors Association  
1833 Kalakaua Ave Suite 211  
Honolulu, HI 96815  
(808) 951-0055

Hawaii Orchid Growers Association  
P.O. Box 2152  
Keaau, HI 96749  
(808) 982-9298

Hawaii Tropical Flower Council  
P.O. Box 4306  
Hilo, HI 96720

## INDUSTRY ASSOCIATIONS - Continued

### FLOWERS & NURSERY - Continued

Hawaii Tropical Flowers Foliage Association  
41-969 Mahiku Pl.  
Waimanalo, HI 96795  
(808) 259-7826

Hawaii Turfgrass Association  
1833 Kalakaua Ave. Suite 211  
Honolulu, HI 96815  
(808) 955-3504

Landscape Industry Council of Hawaii  
P.O. Box 22938  
Honolulu, HI 96823

Maui Flower Growers Association  
P.O. Box 684  
Hana, HI 96713  
(800) 805-2758

Protea Growers Association of Hawaii  
P.O. Box 425  
Kula, HI 96790  
(808) 878-1218

West Hawaii Orchid Growers Association (WHOGA)  
P.O. Box 1540  
Kailua-Kona, HI 96745  
(808) 329-8455

### FOREST

Hawaii Forest Industry Association  
P.O. Box 10216  
Hilo, HI 96721  
(808) 933-9411

### MACADAMIA NUT

Hawaii Macadamia Nut Association  
P.O. Box 2092  
Keaau, HI 96749  
(808) 965-5444

### MILK

Fresh Milk Industry of Hawaii  
P.O. Box 190  
Hawi, HI 96719  
(808) 889-5838

### ONION

Maui Onion Growers Association  
P.O. Box 148  
Kula, HI 96790  
(808) 878-2917

### ORGANIC PRODUCE

Hawaii Organic Farmers Association  
P.O. Box 6863  
Hilo, HI 96720  
(808) 969-7789  
Toll Free (877) 674-4632

Hawaii Papaya Industry Association  
P.O. Box 537  
Pahoa, HI 96778  
(808) 965-8699

### PINEAPPLE

Pineapple Growers Association of Hawaii  
1116 Whitmore Ave.  
Wahiawa, HI 96786  
(808) 621-3201

### PORK

Hawaii Pork Industry Association  
C/O Hawaii Food Products  
94-403 Ukee St.  
Waipahu, HI 96797  
(808) 676-9100

### POULTRY

Hawaii Fryer's Council  
C/O Pacific Poultry Co.  
1818 Kananui St.  
Honolulu, HI 96819  
(808) 841-2828

### TARO

Kauai Taro Growers Association  
P.O. Box 427  
Hanalei, HI 96714  
(808) 826-6202

### TROPICAL FRUITS

Hawaii Tropical Fruit Growers  
P.O. Box 1582  
Hilo, HI 96721  
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### VEGETABLE

Maui Farmer's Cooperative Exchange  
970 B Lower Main St.  
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- Fruits: Watermelon, Jefts Farm, Kunia, Oahu island, courtesy of the Market Development Branch, Hawaii Department of Agriculture, page 37.
- Vegetables: White stem cabbage, Pak Choy. Photo courtesy of HASS staff, page 48.
- Special Statistics: Farmer's open market, on the Island of Oahu, courtesy of HASS staff, page 87.