



# USDA, NASS, HAWAII FIELD OFFICE

*"Fact Finders for Hawaii Agriculture"*



United States Department of Agriculture - National Agricultural Statistics Service  
In cooperation with Hawaii Department of Agriculture - Agricultural Development Division

## **A MESSAGE FROM THE STATE DIRECTOR**

The primary information source for this publication is agricultural producers. We truly are thankful and appreciate the cooperation they extend when we contact them for information. Also, we are aware and sensitive to the frequent contacts made to producers throughout Hawaii. Many options are available for producers to respond including responding by mail, facsimile, the Internet (for certain selected surveys), by phone, and personal interviews. The vast majority of producers understand that farmers and ranchers are the very best source, often the only source, for the information required to meet specific data needs and publication results. We truly appreciate and thank all the agricultural producers and organizations who have so willingly and faithfully provided survey information.

A very important component of our data collection efforts is performed by our National Association of State Departments of Agriculture (NASDA) enumerators. Their efforts are very worthy of special recognition for their important and significant contributions.

The uses of this information are many, but often the data is needed for developing marketing strategies, obtaining farm loans, writing business plans, testifying before local or state governing bodies, justifying claims for disaster relief, and evaluating and developing risk aversion plans. The direct value of this data is not always transparent to the producer, but reliable numbers are needed for business and policy decisions. Supplemental information is provided by grower organizations and agribusiness firms. Without their vital cooperation and support on the many surveys conducted throughout the year, these reports would not be possible.

Our office will be involved in collecting, processing, analyzing, and publishing the 2007 Census of Agriculture which is conducted every 5 years by our agency. The Census of Agriculture serves as a benchmark to our estimation program for crop acreage and livestock inventories. Also, the economic data collected is very important to measure the economic standing of farms and ranches in Hawaii and other states. The Census of Agriculture also provides demographic information which is critical for outreach planning by many private and public organizations. Thank you all in advance for responding to this important project. This is an opportunity for all producers' voices to be heard regarding agriculture in Hawaii.

Our website, [http://www.nass.usda.gov/Statistics\\_by\\_State/Hawaii/index.asp](http://www.nass.usda.gov/Statistics_by_State/Hawaii/index.asp), contains all the data published by our office. The site contains this publication in electronic format along with other numerous commodity releases issued throughout the year.

Thank you,

Mark E. Hudson  
Director, USDA NASS Hawaii Field Office





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## 2006 Farm Revenues down Slightly from Previous Year

Farm level revenues for 2006 totaled \$582.1 million compared to the revised 2005 level of \$582.8 million. Compared to the previous year, 7 of the 20 ranked commodities were higher including seed crops, cattle, tomatoes, bananas, potted palms, anthuriums, and sweetpotatoes.

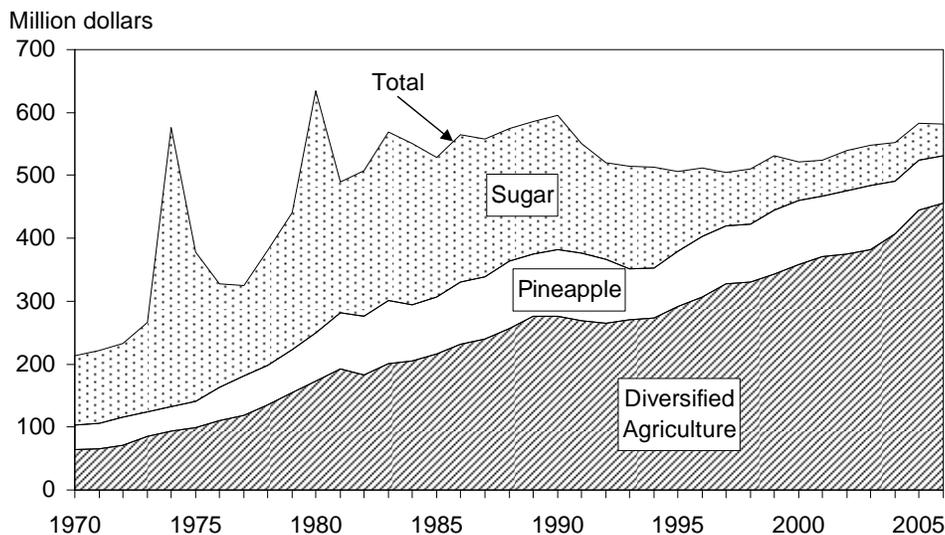
The value of diversified agriculture rose by 3 percent from 2005. Record high levels were set for seed crops and sweetpotatoes. Corn acreage on the national level has risen in response to the emerging ethanol industry. This acreage rise has increased the demand for seed. Other diversified agriculture commodities showing gains included vegetable & melons (which includes ginger root and herbs), cattle, and all fruit (excluding pineapple). Revenue declines for 2006 included flowers and nursery products, macadamia nuts, coffee, aquaculture, milk, eggs, and hogs. Lower production and prices along with six weeks of statewide rainfall from

late February through March contributed to the revenue decline for these commodities. New record revenue levels for aquaculture and coffee were set in 2005.

The equivalent farm value for pineapples (this does not include the processed value added by processing) decreased to \$75.5 million, 5 percent below the 2005 levels. Pineapple value of production was lower, mainly due to lower production. A large operation publicly announced they were completely shutting down all harvesting and other operational activities in November 2006.

The equivalent value of sugarcane (this does not include the processed value of raw sugar) was set at \$50.2 million, down 15 percent from 2005. Sugar value has dropped seven of the last ten years.

**Cash Receipts of Agricultural Commodities, State of Hawaii, 1970-2006**





## Dry Weather Dominates 2006 Except for First Quarter

Dry weather across the State prevailed during most of 2006 with over half of the rainfall coming in the months of February, March, and October. Seven of the fourteen stations with complete rainfall records for the year reported above normal rainfall. Sporadic rainfall across the State brought some relief to the persistent drought conditions. Crop conditions varied with the lower precipitation. Dry conditions allowed for more fieldwork and increased the need for irrigation.

### January-March

January was mostly dry with only the Hilo station reporting above normal rainfall. Brisk trade winds and cool temperatures were reported much of the month. Rainfall picked up in February with a heavy, almost continuous, rain event that carried on into March. Seven of the reporting stations reported above normal rainfall in February and twelve had above normal rainfall in March. Rains were often heavy during this period with widespread flooding and crop damage. Strong winds and cool temperatures prevailed during this period. The heavy rainfall during February through March filled reservoirs and saturated top soil across the State.

### April-June

Drier weather prevailed in early April. Moderate trade winds with mostly sunny conditions dominated. Favorable weather conditions continued through the rest of the month. Most locations were dry with some isolated showers and moderate trade winds. None of the primary weather stations reported above

normal rainfall for April. Early May saw some heavy rain on the Big Island, but the rest of the State remained relatively dry. Mid-May saw warm, dry conditions with moderate trade winds across the islands. Mostly warm, sunny conditions with isolated showers and light winds occurred at the end of May. Seven of the stations reported above normal rainfall for the month of May. June weather began with warm and dry conditions with isolated showers in windward and mountain areas. Some areas received moderate rainfall while others were primarily sunny, warm, and dry. None of the sixteen weather stations recorded above average rainfall for June.

### July-September

Warm and dry with light showers in windward and mountain areas was the prevailing weather condition in early July. Warm temperatures, gusty winds, and dry conditions prevailed in mid-July. Mostly dry, sunny conditions prevailed at the end of July. Hurricane David passed south of the islands in late July, which disrupted the trade winds and dropped some light showers. One station reported above normal rainfall in July. Tropical Storm Fabio passed north of the islands in early August, bringing passing showers to several areas. Moderate trade winds with sunny, dry conditions dominated in mid-August. Isolated showers were limited to windward and mountain areas. August finished with warm, dry conditions, sunshine, and light winds. Only two stations reported above normal rainfall for August. Moderate rainfall fell on the Big Island in early September while the

rest of the State had warm temperatures and dry conditions. Mid-September was mixed with mostly dry, sunny conditions and isolated showers. September ended with continued warm temperatures and isolated precipitation. Five of the sixteen weather stations experienced above normal rainfall in September and none had above normal rainfall for the third quarter.

### October-December

Light winds, warm temperatures, cloud cover, and scattered precipitation prevailed in early October. Favorable weather conditions prevailed in mid-October, but a 6.6 magnitude earthquake shook the State causing some structural damage to buildings, bridges, and water causeways. Intermittent wet weather came in late October with heavy rainfall in many areas. Crop and pasture conditions improved in many areas due to the precipitation, but flooding and excess moisture were a problem in others. Ten of the stations reported above normal rainfall for October. November started with favorable temperatures and dry conditions across most of the State. Variable weather prevailed in mid-November with warm, dry conditions at the end of the month. Two stations had above normal rainfall in November. December started out with sunny skies and scattered showers. Cool and dry conditions prevailed in mid-December. Late December saw continued dry conditions and light winds. None of the sixteen weather stations reported above normal rainfall for December.

**WEATHER: Precipitation, selected stations, State of Hawaii, 2006**

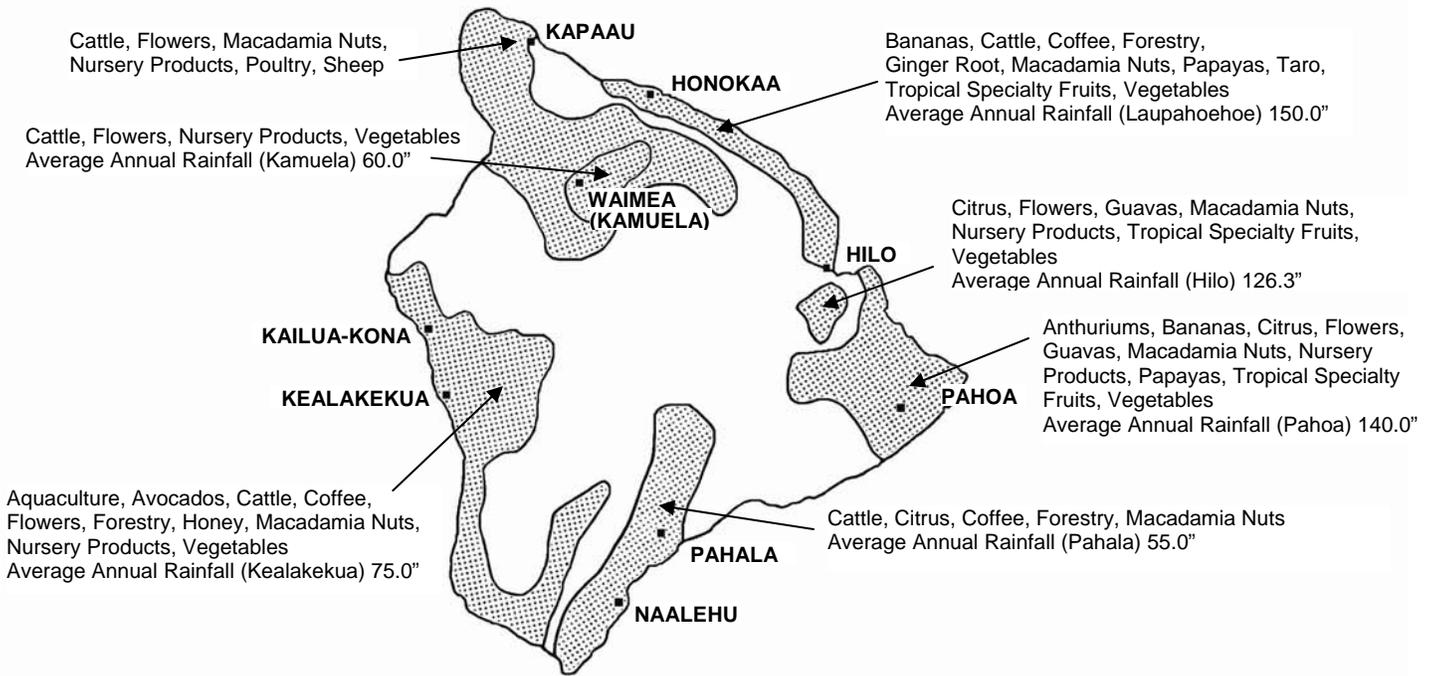
STATIONS	Year & normal	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual	% Annual normal
<b>HAWAII COUNTY</b>															
Hilo International Airport	Normal	9.7	8.9	14.4	12.5	8.1	7.4	10.7	9.8	9.1	9.6	15.6	10.5	126.3	
	2006	11.43	8.46	26.41	8.69	22.51	4.19	7.83	5.69	9.52	7.43	3.21	6.66	122.03	96.6
Kamuela (HI86)	Normal	6.6	6.0	7.9	6.9	4.0	2.2	3.7	4.1	2.2	3.3	5.8	7.3	60.0	
	2006	3.94	6.17	2.31	3.96	7.29	1.74	5.00	2.41	2.34	3.03	3.58	1.26	43.03	71.7
Kealahou (HI84)	Normal	4.7	3.4	5.6	6.2	7.7	8.2	8.7	8.3	8.2	6.2	4.4	3.4	75.0	
	2006	.72	.69	6.59	1.57	4.38	2.61	3.39	6.81	1.41	7.08	.75	.21	36.21	48.3
Laupahoehoe (HI80)	Normal	13.5	13.2	19.5	18.9	11.7	6.2	10.0	12.4	6.9	9.3	13.6	14.8	150.0	
	2006	9.10	11.92	17.11	8.81	21.25	4.11	8.51	7.51	6.95	6.17	2.89	5.58	109.91	73.3
Pahala (HI85)	Normal	7.7	6.1	6.3	5.0	3.8	2.2	2.1	3.3	3.4	4.2	5.5	5.4	55.0	
	2006	6.98	1.68	31.01	.18	M	.13	.79	1.65	3.46	14.83	3.43	.87	--	--
Pahoa (HI83)	Normal	13.9	10.9	14.7	13.9	10.5	7.1	9.8	10.6	9.2	11.5	13.3	14.6	140.0	
	2006	11.52	8.08	24.61	10.37	20.04	6.01	9.67	7.49	8.38	31.21	4.49	10.40	152.27	108.8
<b>HONOLULU COUNTY</b>															
Kahuku (HI09)	Normal	6.3	4.2	5.3	4.0	2.5	1.8	2.2	2.6	2.2	4.0	4.6	5.3	45.0	
	2006	2.64	5.79	29.18	3.09	1.12	.89	.87	1.42	1.47	5.90	3.30	2.37	58.04	129.0
Waianae (HI17)	Normal	3.8	2.3	2.5	1.6	.7	.3	.3	.7	.7	1.8	2.0	3.3	20.0	
	2006	1.90	1.41	15.22	.20	.11	0	.01	.06	.18	4.26	1.51	.06	24.92	124.6
Waimanalo (HI13)	Normal	6.8	4.6	3.6	3.2	3.2	1.5	1.6	1.5	2.0	3.7	5.6	5.5	42.8	
	2006	2.81	8.21	24.35	.70	.97	.32	.85	.46	.94	4.02	5.46	1.54	50.63	118.3
<b>KAUAI COUNTY</b>															
Anahola (HI48)	Normal	6.8	4.4	6.0	4.6	3.2	1.6	2.5	2.5	2.0	5.1	5.4	5.9	50.0	
	2006	M	10.66	M	M	1.09	1.22	2.49	2.66	1.14	2.06	2.52	1.55	--	--
Hanalei (HI45)	Normal	11.8	9.4	13.4	12.2	9.3	6.5	9.8	8.7	6.9	8.5	10.2	12.0	118.7	
	2006	8.59	15.83	28.82	11.57	5.11	2.04	2.95	8.32	7.90	2.58	5.76	2.96	102.43	86.3
Omao (HI51)	Normal	6.9	4.5	5.5	5.2	4.2	3.4	4.7	4.6	3.7	4.7	5.9	6.7	60.0	
	2006	6.73	6.07	35.08	2.78	2.94	.93	1.05	6.78	2.09	3.75	4.69	1.29	74.18	123.6
<b>MAUI COUNTY</b>															
Hana (HI61)	Normal	8.5	5.7	9.1	7.5	5.9	4.1	5.9	5.8	6.1	7.3	8.0	6.1	80.0	
	2006	4.11	11.12	7.71	5.94	4.03	.92	2.47	4.27	3.42	10.97	6.50	3.30	64.76	81.0
Kula (HI65)	Normal	3.5	3.0	2.5	1.6	1.1	.8	.8	.8	1.1	1.5	2.3	3.3	22.3	
	2006	1.44	2.88	11.02	.38	1.96	.23	.04	.06	.80	9.23	1.56	.58	30.18	135.3
Wailuku (HI66)	Normal	5.2	3.8	3.6	3.0	1.2	.4	.6	.7	.6	1.7	2.9	4.3	28.0	
	2006	.88	2.33	9.06	.61	1.94	.05	.26	.21	.44	5.92	4.49	3.05	29.24	104.4
Molokai Airport	Normal	4.3	3.2	3.7	2.2	1.0	.5	.7	.7	.7	1.9	2.8	4.0	25.7	
	2006	.32	1.24	8.16	.46	.20	.03	.34	.07	.59	3.40	4.70	.94	20.45	79.6

-- = No record. Data not recorded.

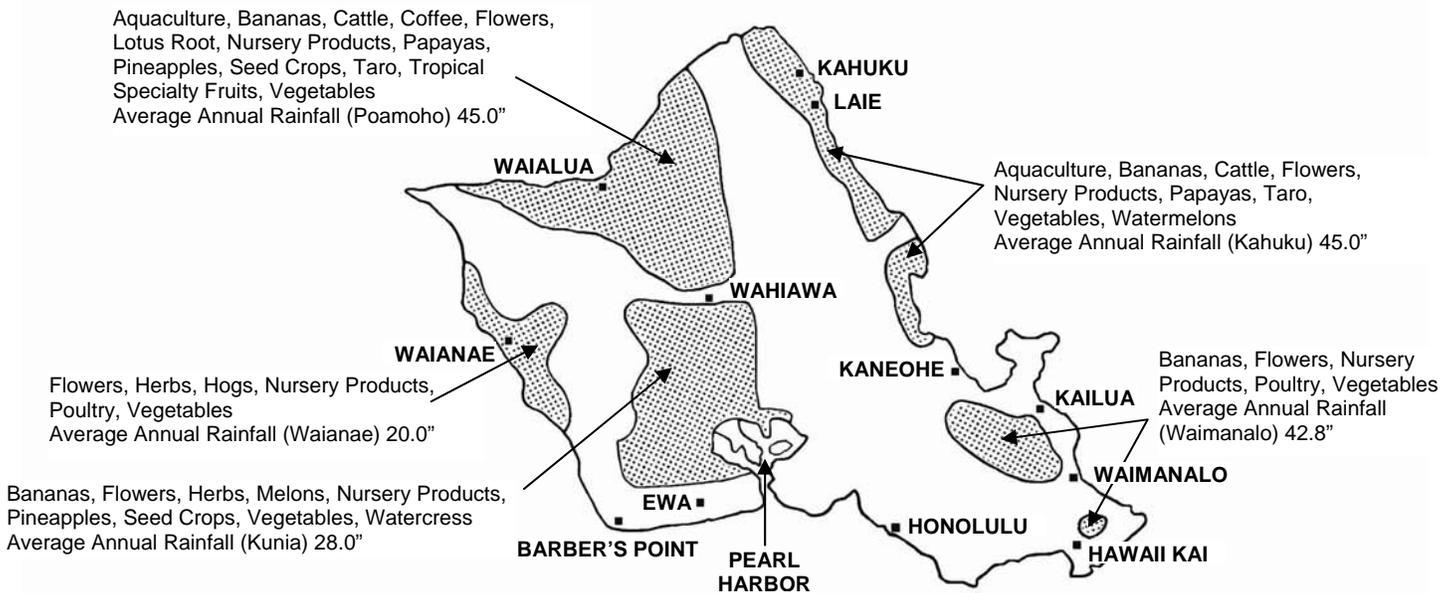
Source: U. S. Department of Commerce, National Oceanic and Atmospheric Administration. Most rainfall stations were selected from the National Weather Service's hydronet system of automated gauges, and those data have not been quality controlled to date, and therefore are not certified by the National Weather Service.

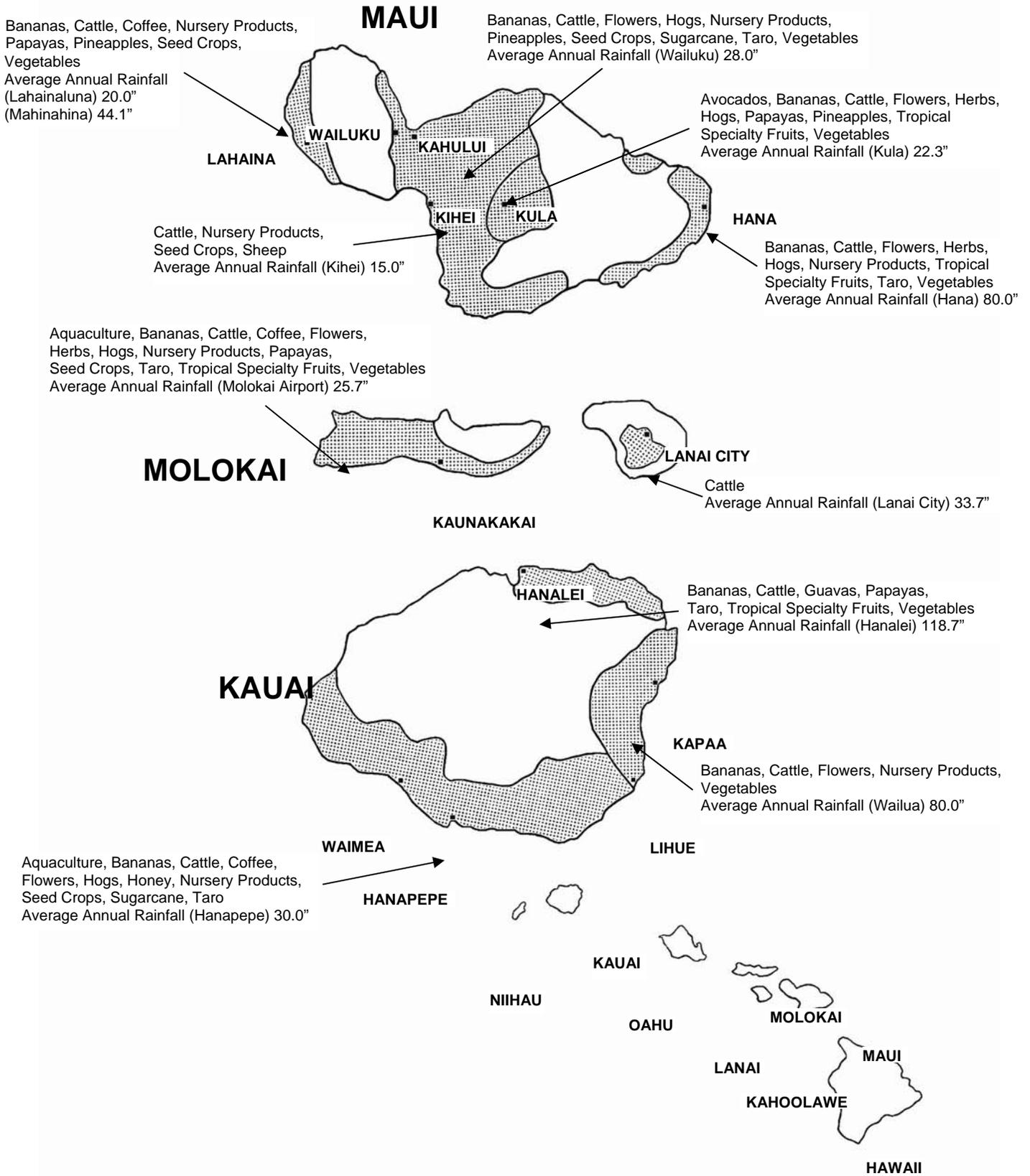
# MAJOR AGRICULTURAL AREAS, STATE OF HAWAII, 2006

## HAWAII



## OAHU





## Top 20 commodities, State of Hawaii, 2005-2006

Commodity <sup>1</sup>	Rank		Value of production	
	2005	2006	2005	2006
	--- Number ---		--- 1,000 dollars ---	
Seed crops	2	1	77,330	<b>97,580</b>
Pineapples (fresh equivalent)	1	2	79,288	<b>75,542</b>
Sugarcane (unprocessed)	3	3	58,900	<b>50,200</b>
Macadamia nuts	4	4	43,740	<b>38,860</b>
Coffee	5	5	37,310	<b>37,000</b>
Cattle	6	6	22,548	<b>26,452</b>
Milk	7	7	18,387	<b>14,508</b>
Algae	8	8	14,637	<b>11,914</b>
Tomatoes	10	9	9,798	<b>11,319</b>
Papayas	9	10	11,241	<b>11,049</b>
Bananas	11	11	9,175	<b>9,800</b>
Palms, potted	13	12	8,135	<b>8,309</b>
Eggs	12	13	8,979	<b>8,192</b>
Dendrobiums, potted	15	14	6,056	<b>5,768</b>
Dracaena, potted	14	15	7,030	<b>5,590</b>
Anthuriums, cut	17	16	5,101	<b>5,459</b>
Basil	16	17	5,595	<b>5,320</b>
Sweetpotatoes	20	18	3,843	<b>4,440</b>
Hogs	18	19	4,553	<b>4,158</b>
Ginger root	19	20	4,080	<b>3,010</b>

<sup>1</sup> Floriculture categories include only growers with total sales of \$10,000 or more.

## Farm values, State of Hawaii, 1987-2006

Year	Sugar (unprocessed cane)	Pineapples (fresh equivalent)	Diversified agriculture <sup>1</sup>	Total
	1,000 dollars			
1987	218,000	99,286	240,012	557,298
1988	209,900	107,402	256,660	573,962
1989	210,300	98,310	276,438	585,048
1990	213,800	106,365	275,789	595,954
1991	174,900	107,775	268,707	551,382
1992	153,700	102,100	264,427	520,227
1993	163,000	79,850	271,094	513,944
1994	160,100	78,890	273,826	512,816
1995	127,700	87,360	291,632	506,692
1996	108,100	95,914	307,329	511,343
1997	85,500	91,721	327,484	504,705
1998	87,300	92,776	329,886	509,962
1999	86,800	101,448	342,846	531,094
2000	62,200	101,530	358,170	521,900
2001	57,800	96,337	370,241	524,378
2002	64,300	100,616	374,602	539,518
2003	64,400	101,470	382,253	548,123
2004	61,500	83,104	407,453	552,057
2005	58,900	79,288	444,597	582,785
<b>2006</b>	<b>50,200</b>	<b>75,542</b>	<b>456,342</b>	<b>582,084</b>

<sup>1</sup> Aquaculture included beginning 1993.

## Diversified agriculture ranked by value, State of Hawaii, 2005-2006

Commodity	Rank		Value of production			Percent of diversified agriculture	
	2005	2006	2005	2006	Year-to-year percent change	2005	2006
	--- Number ---		---- 1,000 dollars ----		----- Percent -----		
Flowers and nursery products	1	1	100,962	<b>100,689</b>	0	22.7	<b>22.1</b>
Seed crops	2	2	77,330	<b>97,580</b>	+26	17.4	<b>21.4</b>
Vegetables and melons <sup>1</sup>	3	3	67,717	<b>73,038</b>	+8	15.2	<b>16.0</b>
Macadamia nuts	4	4	43,740	<b>38,860</b>	-11	9.9	<b>8.5</b>
Coffee	5	5	37,310	<b>37,000</b>	-1	8.4	<b>8.1</b>
Cattle	8	6	22,548	<b>26,452</b>	+17	5.1	<b>5.8</b>
Fruits (excluding pineapples)	7	7	25,747	<b>26,138</b>	+2	5.8	<b>5.7</b>
Aquaculture	6	8	28,398	<b>21,257</b>	-25	6.4	<b>4.7</b>
Milk	9	9	18,387	<b>14,508</b>	-21	4.1	<b>3.2</b>
Eggs	10	10	8,979	<b>8,192</b>	-9	2.0	<b>1.8</b>
Hogs	11	11	4,553	<b>4,158</b>	-9	1.0	<b>.9</b>
Other livestock and crops			8,926	<b>8,470</b>	-5	2.0	<b>1.8</b>
<b>Total</b>			444,597	<b>456,342</b>	+3	100.0	<b>100.0</b>

<sup>1</sup> Includes ginger root and herbs.

## SUMMARY: Acreage in crop and total farm acreage, by county, 2002-2006

Year	Sugarcane	Pineapples <sup>1</sup>	Vegetables and melons <sup>2 3</sup>	Fruits (excluding pineapples)	Coffee	Macadamia nuts	All other crops <sup>4</sup>	Total farm acreage <sup>5</sup>
<i>1,000 acres</i>								
<b>State <sup>6</sup></b>								
2002	47.5	19.1	6.8	6.6	7.2	18.0	<sup>7</sup> 8.8	1,320
2003	47.8	16.0	6.4	6.4	7.3	18.0	9.3	1,300
2004	43.0	13.0	6.7	6.0	7.7	18.0	9.4	1,300
2005	40.1	14.0	6.3	6.2	7.9	18.3	9.2	1,300
<b>2006</b>	<b>42.1</b>	<b>13.9</b>	<b>5.5</b>	<b>5.8</b>	<b>8.2</b>	<b>17.0</b>	<b>9.7</b>	<b>1,300</b>
<b>County:</b>								
<b>Hawaii</b>								
2002	0	*	1.8	4.3	3.5	<sup>8</sup>	<sup>7</sup> 2.5	830
2003	0	*	1.6	4.1	3.6	<sup>8</sup>	2.9	820
2004	0	*	1.7	3.8	3.8	<sup>8</sup>	3.0	820
2005	0	*	1.6	4.1	3.8	<sup>8</sup>	2.7	820
<b>2006</b>	<b>0</b>	<b>*</b>	<b>1.1</b>	<b>3.6</b>	<b>3.8</b>	<b><sup>8</sup></b>	<b>2.9</b>	<b>820</b>
<b>Honolulu</b>								
2002	0	10.0	3.6	1.1	<sup>8</sup>	<sup>8</sup>	<sup>7</sup> 2.8	70
2003	0	10.1	3.4	1.0	<sup>8</sup>	<sup>8</sup>	2.8	70
2004	0	7.5	3.8	.8	<sup>8</sup>	<sup>8</sup>	3.0	70
2005	0	<sup>8</sup>	3.5	.8	<sup>8</sup>	<sup>8</sup>	2.6	70
<b>2006</b>	<b>0</b>	<b><sup>8</sup></b>	<b>3.5</b>	<b>.8</b>	<b><sup>8</sup></b>	<b><sup>8</sup></b>	<b>2.4</b>	<b>70</b>
<b>Kauai</b>								
2002	10.8	*	.3	.8	<sup>8</sup>	<sup>8</sup>	<sup>7</sup> 1.8	160
2003	11.1	*	.3	.8	<sup>8</sup>	<sup>8</sup>	1.7	150
2004	8.2	*	.3	.9	<sup>8</sup>	<sup>8</sup>	1.7	150
2005	7.1	*	.2	.8	<sup>8</sup>	<sup>8</sup>	1.7	150
<b>2006</b>	<b>7.2</b>	<b>*</b>	<b>.1</b>	<b>.8</b>	<b><sup>8</sup></b>	<b><sup>8</sup></b>	<b>1.9</b>	<b>150</b>
<b>Maui</b>								
2002	36.7	9.1	1.1	.4	<sup>8</sup>	<sup>8</sup>	<sup>7</sup> 1.7	260
2003	36.7	5.9	1.1	.5	<sup>8</sup>	<sup>8</sup>	1.9	260
2004	34.8	5.5	.9	.5	<sup>8</sup>	<sup>8</sup>	1.7	260
2005	33.0	<sup>8</sup>	1.0	.5	<sup>8</sup>	<sup>8</sup>	2.2	260
<b>2006</b>	<b>34.9</b>	<b><sup>8</sup></b>	<b>.8</b>	<b>.6</b>	<b><sup>8</sup></b>	<b><sup>8</sup></b>	<b>2.5</b>	<b>260</b>

\* Less than 50 acres

<sup>1</sup> Land used for pineapple.

<sup>2</sup> Harvested acreage.

<sup>3</sup> Includes ginger root.

<sup>4</sup> Includes taro, seed crops, feed and forage crops (excluding pineapple feed products), flowers, nursery products, noni, kava ('awa), and others.

<sup>5</sup> Includes land not in crop and pasture such as farm house lots, roads, woodlots, etc.

<sup>6</sup> Sum of county estimates may not add to State total due to rounding.

<sup>7</sup> Revised.

<sup>8</sup> Data not shown separately to avoid disclosure of individual operations but combined and included in the State total.



# SUMMARIES

## SUMMARY: Number of crop farms, by county, 2002-2006

Year	Sugarcane	Pineapples <sup>1</sup>	Vegetables and melons <sup>2</sup>	Fruits (excluding pineapples)	Coffee	Macadamia nuts	Taro	Flowers and nursery products
<b>State</b>								
2002	2	25	600	1,099	710	650	150	870
2003	2	25	570	1,426	715	650	150	865
2004	2	30	620	1,290	750	650	130	920
2005	2	30	600	1,265	790	650	110	955
<b>2006</b>	<b>2</b>	<b>30</b>	<b>610</b>	<b>1,245</b>	<b>820</b>	<b>650</b>	<b>110</b>	<b>930</b>
<b>County:</b>								
<b>Hawaii</b>								
2002	0	11	270	593	680	3	50	420
2003	0	11	230	746	690	3	40	395
2004	0	15	253	687	710	3	30	425
2005	0	<sup>3</sup>	215	664	745	3	30	425
<b>2006</b>	<b>0</b>	<sup>3</sup>	<b>226</b>	<b>668</b>	<b>775</b>	<sup>3</sup>	<b>30</b>	<b>410</b>
<b>Honolulu</b>								
2002	0	2	175	149	3	3	10	230
2003	0	2	190	179	3	3	15	230
2004	0	2	188	147	3	3	10	235
2005	0	<sup>3</sup>	213	159	3	3	10	265
<b>2006</b>	<b>0</b>	<sup>3</sup>	<b>215</b>	<b>153</b>	<sup>3</sup>	<sup>3</sup>	<b>10</b>	<b>250</b>
<b>Kauai</b>								
2002	1	7	55	153	3	3	65	65
2003	1	7	55	216	3	3	70	80
2004	1	8	72	196	3	3	65	80
2005	1	<sup>3</sup>	65	184	3	3	50	80
<b>2006</b>	<b>1</b>	<sup>3</sup>	<b>63</b>	<b>174</b>	<sup>3</sup>	<sup>3</sup>	<b>50</b>	<b>75</b>
<b>Maui</b>								
2002	1	5	100	204	3	3	25	155
2003	1	5	95	285	3	3	25	160
2004	1	5	107	260	3	3	25	180
2005	1	<sup>3</sup>	107	258	3	3	20	185
<b>2006</b>	<b>1</b>	<sup>3</sup>	<b>106</b>	<b>250</b>	<sup>3</sup>	<sup>3</sup>	<b>20</b>	<b>195</b>

<sup>1</sup> Includes specialty pineapple.

<sup>2</sup> Includes ginger root, herbs, noni, kava ('awa), and others.

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

## SUMMARY: Number of livestock operations and total number of farms, by county, 2002-2006

Year	Cattle <sup>1</sup>	Hogs	Milk	Eggs	Honey	Total (non-duplicated) <sup>2</sup>
<b>State</b>						
2002	750	210	30	80	30	5,500
2003	750	210	30	80	29	5,500
2004	800	250	30	80	31	5,500
2005	800	230	30	80	34	5,500
<b>2006</b>	<b>800</b>	<b>230</b>	<b>30</b>	<b>80</b>	<b>35</b>	<b>5,500</b>
<b>County:</b>						
<b>Hawaii</b>						
2002	440	60	14	37	16	3,250
2003	440	60	14	37	14	3,250
2004	470	70	14	37	16	3,250
2005	470	70	14	37	20	3,250
<b>2006</b>	<b>470</b>	<b>70</b>	<b>14</b>	<b>37</b>	<b>17</b>	<b>3,250</b>
<b>Honolulu</b>						
2002	50	70	6	15	<sup>3</sup>	800
2003	50	70	6	15	<sup>3</sup>	800
2004	50	80	6	15	<sup>3</sup>	800
2005	50	70	6	15	<sup>3</sup>	800
<b>2006</b>	<b>50</b>	<b>70</b>	<b>6</b>	<b>15</b>	<sup>3</sup>	<b>800</b>
<b>Kauai</b>						
2002	120	30	4	8	<sup>3</sup> 14	600
2003	120	30	4	8	<sup>3</sup> 15	600
2004	120	40	4	8	<sup>3</sup> 15	600
2005	120	30	4	8	<sup>3</sup> 14	600
<b>2006</b>	<b>120</b>	<b>30</b>	<b>4</b>	<b>8</b>	<sup>3</sup> <b>18</b>	<b>600</b>
<b>Maui</b>						
2002	140	50	6	20	<sup>3</sup>	850
2003	140	50	6	20	<sup>3</sup>	850
2004	160	60	6	20	<sup>3</sup>	850
2005	160	60	6	20	<sup>3</sup>	850
<b>2006</b>	<b>160</b>	<b>60</b>	<b>6</b>	<b>20</b>	<sup>3</sup>	<b>850</b>

<sup>1</sup> Includes beef, dairy, and dairy replacement operations.

<sup>2</sup> Based on farm definition of \$1,000 or more of agricultural sales.

<sup>3</sup> Honolulu and Maui combined with Kauai to avoid disclosure of individual operations.



# SUMMARIES

## SUMMARY: Value of crop sales, by county, 2002-2006

Year	Sugar (unprocessed cane)	Pineapples (fresh equivalent)	Vegetables, ginger root, herbs, and melons <sup>1</sup>	Fruits (excluding pineapples)	Coffee (parchment)
<i>1,000 dollars</i>					
<b>State <sup>4</sup></b>					
2002	64,300	100,616	61,659	25,267	23,250
2003	64,400	101,470	64,173	26,819	24,070
2004	61,500	83,104	67,892	24,533	19,880
2005	58,900	79,288	67,717	25,747	37,310
<b>2006</b>	<b>50,200</b>	<b>75,542</b>	<b>73,038</b>	<b>26,138</b>	<b>37,000</b>
<b>County:</b>					
<b>Hawaii</b>					
2002	0	<sup>5</sup>	13,823	17,792	15,990
2003	0	<sup>5</sup>	14,235	19,881	15,200
2004	0	<sup>5</sup>	18,859	18,504	14,880
2005	0	<sup>5</sup>	18,172	18,353	31,030
<b>2006</b>	<b>0</b>	<sup>5</sup>	<b>18,630</b>	<b>17,921</b>	<b>25,600</b>
<b>Honolulu</b>					
2002	0	70,992	36,533	3,750	<sup>5</sup>
2003	0	71,029	<sup>6</sup> 37,214	3,748	<sup>5</sup>
2004	0	54,704	37,661	2,791	<sup>5</sup>
2005	0	<sup>5</sup>	38,725	3,715	<sup>5</sup>
<b>2006</b>	<b>0</b>	<sup>5</sup>	<b>41,812</b>	<b>4,634</b>	<sup>5</sup>
<b>Kauai</b>					
2002	13,000	<sup>5</sup>	1,659	2,455	<sup>5</sup>
2003	13,500	<sup>5</sup>	2,495	1,739	<sup>5</sup>
2004	15,300	<sup>5</sup>	1,740	1,922	<sup>5</sup>
2005	14,700	<sup>5</sup>	1,670	1,641	<sup>5</sup>
<b>2006</b>	<b>9,500</b>	<sup>5</sup>	<b>1,543</b>	<b>1,688</b>	<sup>5</sup>
<b>Maui</b>					
2002	51,300	29,624	9,644	1,270	<sup>5</sup>
2003	50,900	30,441	10,229	1,451	<sup>5</sup>
2004	46,200	28,400	9,632	1,316	<sup>5</sup>
2005	44,200	<sup>5</sup>	9,150	2,038	<sup>5</sup>
<b>2006</b>	<b>40,700</b>	<sup>5</sup>	<b>11,053</b>	<b>1,895</b>	<sup>5</sup>

See footnotes at end of table.

Continued

# SUMMARIES

## SUMMARY: Value of crop sales, by county, 2002-2006 -- Continued

Year	Macadamia nuts (in-shell)	Taro	Seed crops	Flowers and nursery products <sup>2</sup>	Total crops <sup>3</sup>
<i>1,000 dollars</i>					
<b>State<sup>4</sup></b>					
2002	30,210	3,294	48,145	95,715	453,400
2003	32,330	2,700	49,160	95,601	461,680
2004	41,245	2,808	62,600	95,178	459,702
2005	43,740	2,322	77,330	100,962	493,991
<b>2006</b>	<b>38,860</b>	<b>2,565</b>	<b>97,580</b>	<b>100,689</b>	<b>502,181</b>
<b>County:</b>					
<b>Hawaii</b>					
2002	5	415	5	49,870	128,426
2003	5	335	5	50,206	132,331
2004	5	288	5	50,414	143,972
2005	5	168	5	53,449	164,772
<b>2006</b>	<b>5</b>	<b>180</b>	<b>5</b>	<b>51,945</b>	<b>153,057</b>
<b>Honolulu</b>					
2002	5	5	5	32,106	153,725
2003	5	5	5	31,092	<sup>6</sup> 154,229
2004	5	5	5	32,173	138,878
2005	5	5	5	32,399	133,918
<b>2006</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>33,524</b>	<b>135,550</b>
<b>Kauai</b>					
2002	5	2,189	5	2,633	40,854
2003	5	1,760	5	3,067	47,077
2004	5	2,079	5	3,056	47,652
2005	5	1,643	5	3,204	49,318
<b>2006</b>	<b>5</b>	<b>1,815</b>	<b>5</b>	<b>2,944</b>	<b>57,551</b>
<b>Maui</b>					
2002	5	5	5	11,106	130,395
2003	5	5	5	11,236	128,043
2004	5	5	5	9,535	129,200
2005	5	5	5	11,910	145,983
<b>2006</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>12,276</b>	<b>156,023</b>

<sup>1</sup> Includes noni, kava ('awa), and others.

<sup>2</sup> Flowers, foliage, and nursery products.

<sup>3</sup> Total crop values shown for individual counties are actual. Sum of individual commodities may not add to total. Forage crops' and forest product's value combined and included in total crop value.

<sup>4</sup> Sum of county estimates may not add to State total due to rounding.

<sup>5</sup> Data not shown separately to avoid disclosure of individual operations but combined and included in the State total.

<sup>6</sup> Revised.



# SUMMARIES

## SUMMARY: Value of livestock sales, total value of crop, livestock sales, aquaculture, and government payments, by counties, 2002-2006

Year	Cattle <sup>1</sup>	Hogs <sup>1</sup>	Milk	Eggs	Aquaculture	Total livestock and aquaculture <sup>2</sup>	Total crops, livestock, and aquaculture	Government payments <sup>3</sup>
<i>1,000 dollars</i>								
<b>State <sup>4</sup></b>								
2002	18,326	4,788	22,467	8,854	25,180	86,118	539,518	1,916
2003	17,192	4,345	21,449	9,396	27,650	86,443	548,123	1,483
2004	22,534	4,463	20,175	10,670	28,100	92,355	552,057	2,392
2005	22,548	4,553	18,387	8,979	28,398	88,794	582,785	4,727
<b>2006</b>	<b>26,452</b>	<b>4,158</b>	<b>14,508</b>	<b>8,192</b>	<b>21,257</b>	<b>79,903</b>	<b>582,084</b>	<b>3,796</b>
<b>County:</b>								
<b>Hawaii</b>								
2002	13,724	560	5	5	17,329	44,554	172,980	NA
2003	13,811	440	5	5	19,639	46,900	179,231	NA
2004	16,873	407	5	5	21,211	51,627	195,599	NA
2005	16,796	319	5	5	20,179	50,432	215,204	NA
<b>2006</b>	<b>19,809</b>	<b>256</b>	<b>5</b>	<b>5</b>	<b>17,470</b>	<b>48,330</b>	<b>201,387</b>	<b>NA</b>
<b>Honolulu</b>								
2002	572	2,960	14,401	6,314	4,179	30,232	183,957	NA
2003	203	2,594	13,502	6,789	4,674	29,298	<sup>6</sup> 183,527	NA
2004	681	2,715	12,350	8,131	5,201	30,297	169,175	NA
2005	1,382	2,762	10,870	6,705	4,793	26,737	160,655	NA
<b>2006</b>	<b>1,515</b>	<b>2,371</b>	<b>8,515</b>	<b>6,507</b>	<b>1,920</b>	<b>21,018</b>	<b>156,568</b>	<b>NA</b>
<b>Kauai</b>								
2002	1,442	430	5	5	5	5,278	46,132	NA
2003	912	414	5	5	5	4,139	51,216	NA
2004	1,965	482	5	5	5	3,921	51,573	NA
2005	1,685	592	5	5	5	3,218	52,536	NA
<b>2006</b>	<b>1,725</b>	<b>611</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4,308</b>	<b>61,859</b>	<b>NA</b>
<b>Maui</b>								
2002	2,588	838	5	5	5	6,054	136,449	NA
2003	2,266	897	5	5	5	6,106	134,149	NA
2004	3,015	859	5	5	5	6,510	135,710	NA
2005	2,686	880	5	5	5	8,408	154,391	NA
<b>2006</b>	<b>3,403</b>	<b>920</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>6,247</b>	<b>162,270</b>	<b>NA</b>

NA= Not available.

<sup>1</sup> Excludes interfarm sales; includes out-of-State sales of slaughter cattle and feeder calves.

<sup>2</sup> Sum of individual commodities may not add to total. Includes sheep, wool, turkeys, horses, honey, beeswax, broilers, and chickens.

<sup>3</sup> Includes government payments, such as Agricultural Conservation Program, Cattle Indemnity Payment Program, Dairy Indemnity Payment Program, Emergency Conservation Program, Forestry Incentives Program, Emergency Feed Program, wool payments, and sugar support.

<sup>4</sup> Sum of county estimates may not add to State total due to rounding.

<sup>5</sup> Data not shown separately to avoid disclosure of individual operations but combined and included in the State total.

<sup>6</sup> Revised.

# FOOD EXPENDITURES



## FOOD: U.S. expenditures by families and individuals, selected years, 1929-2006

Year	Disposable personal income	Expenditures for food					
		At home <sup>1</sup>		Away from home <sup>2</sup>		Total <sup>3</sup>	
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Percent</i>	<i>Billion dollars</i>	<i>Percent</i>	<i>Billion dollars</i>	<i>Percent</i>
1929	83.4	16.9	20.3	2.6	3.1	19.5	23.4
1934	52.8	11.1	21.0	1.7	3.2	12.8	24.2
1939	71.4	13.0	18.1	2.3	3.2	15.2	21.3
1944	148.3	22.1	14.9	5.1	3.4	27.2	18.4
1949	190.4	34.3	18.0	7.8	4.1	42.0	22.1
1954	264.3	42.4	16.0	9.3	3.5	51.7	19.6
1959	350.5	50.1	14.3	12.1	3.5	62.3	17.8
1964	462.5	55.5	12.0	15.7	3.4	71.2	15.4
1969	674.0	69.0	10.2	23.4	3.5	92.3	13.7
1974	1,071.6	107.3	10.0	38.5	3.6	145.8	13.6
1979	1,793.5	164.0	9.1	76.9	4.3	240.9	13.4
1984	2,912.0	224.0	7.7	121.9	4.2	345.8	11.9
1989	4,021.7	<sup>4</sup> 274.2	6.8	<sup>4</sup> 165.4	4.1	<sup>4</sup> 439.6	<sup>4</sup> 10.9
1994	5,151.8	<sup>4</sup> 336.4	6.5	<sup>4</sup> 216.5	4.2	<sup>4</sup> 552.9	10.7
1999	6,695.0	<sup>4</sup> 408.5	6.1	<sup>4</sup> 272.0	4.1	<sup>4</sup> 680.5	10.2
2003	<sup>4</sup> 8,162.5	<sup>4</sup> 472.4	5.8	<sup>4</sup> 329.5	4.0	<sup>4</sup> 801.9	9.8
2004	<sup>4</sup> 8,681.6	<sup>4</sup> 491.5	5.7	<sup>4</sup> 348.2	4.0	<sup>4</sup> 839.7	9.7
2005	9,036.1	519.2	5.7	368.5	4.1	887.8	9.8
<b>2006</b>	<b>9,534.8</b>	<b>551.1</b>	<b>5.8</b>	<b>396.1</b>	<b>4.2</b>	<b>947.1</b>	<b>9.9</b>

<sup>1</sup> Food purchases from grocery stores and other retail outlets, including purchases with food stamps and WIC vouchers and food produced and consumed on farms (valued at farm prices) because the value of these foods is included in personal income. Excludes government-donated foods.

<sup>2</sup> Purchases of meals and snacks by families and individuals, and food furnished to employees since it is included in personal income. Excludes food paid for by government and business, such as donated foods to schools, meals in prisons and other institutions, and expense-account meals.

<sup>3</sup> Total may not add due to rounding.

<sup>4</sup> Revised.

Source: Economic Research Service, USDA.



# RECORD HIGHS AND LOWS

## Record highs and lows for selected items, State of Hawaii

Item	Unit	Record high		Record low		Year estimate started
		Quantity	Year <sup>1</sup>	Quantity	Year <sup>1</sup>	
<b>Anthuriums</b>						
Total sold	1,000 dozs.	2,532	1980	216	1959	1959
Price <sup>2</sup>	\$/doz.	9.09	1997	.71	1967	1959
<b>Avocados</b>						
Harvested	Acres	330	1986	90	1975	1946
Production	1,000 lbs.	1,600	1982	400	1996	1946
Price <sup>2</sup>	¢/lb.	68.0	2006	6.1	1959	1946
<b>Bananas</b>						
Harvested	Acres	1,490	2001	550	1977	1946
Production	1,000 lbs.	29,000	2000	4,470	1983	1946
Price <sup>2</sup>	¢/lb.	49.0	2006	4.6	1946	1946
<b>Cabbage, head</b>						
Harvested	Acres	740	1947	360	2004	1946
Production	1,000 lbs.	15,750	1989	6,800	1953	1946
Price <sup>2</sup>	¢/lb.	28.0	2005	3.0	1959	1946
<b>Coffee</b>						
Harvested	Acres	6,800	2000	1,650	1985	1946
Production	1,000 lbs.	18,496	1957	990	1982	1946
Price <sup>2</sup>	¢/lb.	500.0	2006	17.8	1946	1946
<b>Foliage, potted (indoor)</b>						
Sales (value)	\$1,000	19,236	2001	171	1972	1972
<b>Ginger Root</b>						
Harvested	Acres	360	2001	11	1974	1946
Production	1,000 lbs.	18,000	2001	352	1974	1946
Price <sup>2</sup>	¢/lb.	92.3	1982	16.2	1949	1946
<b>Guavas</b>						
Harvested	Acres	1,040	1990	60	1957	1955
Production	1,000 lbs.	24,100	1990	1,737	1957	1955
Price <sup>2</sup>	¢/lb.	15.0	2002	3.1	1956	1955
<b>Macadamia nuts</b>						
Harvested	Acres	19,300	1995	830	1953	1946
Production ( <i>net, wet-in-shell</i> )	1,000 lbs.	58,000	2006	630	1946	1946
Price <sup>2</sup> ( <i>net, wet-in-shell</i> )	¢/lb.	90.0	1988	15.2	1946	1946
<b>Papayas</b>						
Harvested	Acres	2,650	1985	320	1952	1946
Production	1,000 lbs.	80,500	1984	5,525	1947	1946
Price <sup>2</sup>	¢/lb.	48.9	1997	3.2	1946	1946

See footnotes at end of table.

Continued



## Record highs and lows for selected items, State of Hawaii -- Continued

Item	Unit	Record high		Record low		Year estimate started
		Quantity	Year <sup>1</sup>	Quantity	Year <sup>1</sup>	
<b>Pineapples</b>						
Total in crop	Acres	76,700	1957	13,000	2004	1946
Production	1,000 tons	1,048	1955	188	2006	1950
Value (farm)	\$1,000	107,775	1991	29,700	1951	1950
<b>Sugar<sup>3</sup></b>						
Harvested	Acres	145,000	1933	19,300	2001	1909
Yield/acre (sugar)	Tons/acre	13.15	2003	4.81	1910	1909
Production (raw sugar)	1,000 tons	1,234	1966	213	2006	1909
Price <sup>2</sup> (sugar)	\$/ton	633.00	1974	52.00	1940	1909
<b>Taro</b>						
Harvested	Acres	1,020	1948	320	1980	1946
Production	1,000 lbs.	14,195	1948	4,000	2005	1946
Price <sup>2</sup>	¢/lb.	57.0	2006	3.1	1949	1946
<b>Tomatoes</b>						
Harvested	Acres	770	2006	150	1972	1946
Production	1,000 lbs.	17,500	2003	3,300	1972	1946
Price <sup>2</sup>	¢/lb.	77.0	2006	9.1	1947	1946
<b>Watermelons</b>						
Harvested	Acres	870	1950	125	1979	1946
Production	1,000 lbs.	20,400	1995	1,130	1979	1946
Price <sup>2</sup>	¢/lb.	28.0	2006	6.4	1955	1946
<b>Cattle and calves</b>						
Jan. 1 inventory	Head	249,000	1971	130,000	1946	1946
Production (live weight)	1,000 lbs.	64,750	1989	25,470	1953	1946
Price <sup>2</sup>	\$/cwt.	76.70	2006	12.30	1946	1946
<b>Hogs and pigs</b>						
Dec. 1 inventory	Head	72,000	1965	16,000	2006	1960
Production (live weight)	1,000 lbs.	13,159	1978	4,485	2006	1960
Price <sup>2</sup>	\$/cwt.	92.70	2006	29.50	1964	1960
<b>Milk</b>						
Marketings	Million lbs.	157.1	1988	65.2	1946	1946
Production per cow	lbs./cow	14,667	2002	8,750	1960	1960
Price <sup>2</sup>	\$/cwt.	27.00	2005	6.75	1946	1946
<b>Eggs</b>						
Layers Dec. 1	Birds	1,037,000	1974	302,000	1950	1950
Production	Million eggs	229.3	1979	98.3	2006	1958
Price <sup>2</sup>	¢/doz.	108.0	2004	39.2	1968	1958

<sup>1</sup> In case of a tie, the most recent year was used.

<sup>2</sup> Prices are annual or crop-year average.

<sup>3</sup> Primary data source, Hawaii Agricultural Research Center.

# AGRICULTURE'S CONTRIBUTIONS TO HAWAII'S ECONOMY, 2000

If you inquire about the size of a condominium unit, one person might respond by stating the number of bedrooms, bathrooms, and associated parking stalls. Alternatively, another might state the square-foot area of its interior area and lanai. Both descriptions convey useful but different information.

Likewise, when we describe the contribution of agriculture to Hawaii's economy, we can portray it in several ways. The actual estimates may vary depending on what is defined as "agriculture" and on the methodology applied to develop the estimates. Here, we define agriculture as including farm production, forestry, fisheries, agricultural services, and food processing, as well as the related distribution margins (transportation, wholesale, and retail) used in delivering agricultural products and services. Then, we summarize and compare three measures of contribution--sales, value added (GSP), and employment--for three benchmark years: 1992, 1997, and 2000. (For more detail on this subject, see CTAHR publication EI-3, Agriculture's Contribution to Hawaii's Economy--An Update, available at <[www.ctahr.hawaii.edu](http://www.ctahr.hawaii.edu)>.

## Agriculture sales

Sales value is the most common measure of economic activities. It includes the farmgate value routinely reported by the Hawaii Department of Agriculture. Total agriculture sales (farm production, agricultural service, forestry and fisheries, and food processing) decreased from \$2.14 billion in 1992 to \$1.87 billion in 1997 but rebounded to \$1.94 billion in 2000.

While sugarcane sales value declined sharply by 10% annually during the 1992-2000 period, pineapple sales value remained stable at \$102 million after a slight decline in 1997. The continual decrease in sugarcane sales value is largely offset by the tremendous growth in sales value of diversified agriculture (including seed crops, coffee, macadamia nuts, fruits, vegetables, flowers, and nursery products), which increased at an annual rate of 3.8% between 1992 and 2000. Reflecting this trend, the sales value of diversified agriculture jumped from just over 50% of total farm production in 1992 to almost 70% in 2000. Diversified agriculture posted record high sales of \$357 million in 2000.

## Value added--the contribution to GSP

An industry's gross state product (GSP) is the value added in production contributed by labor and property. It is equivalent to the value of production minus the value of intermediate goods that producers buy from other producers. Hawaii's economy as measured by total GSP decreased slightly at an annual rate of 0.8% during the 1992-1997 period, but it rebounded at a yearly rate of 1.7% from 1997 to 2000. Agriculture's GSP likewise decreased during the 1992-1997 period, at a higher annual rate of 2.3%, but it came back strongly from 1997 to 2000 with a robust annual rate of increase of 2.5%. During this latter period, agriculture's contribution to Hawaii's economy had a

higher rate of growth than the other sectors combined. Agriculture, including its distribution margins, contributes 3.1% of Hawaii's total GSP--a fairly constant share since 1992.

## Agriculture's contribution to employment

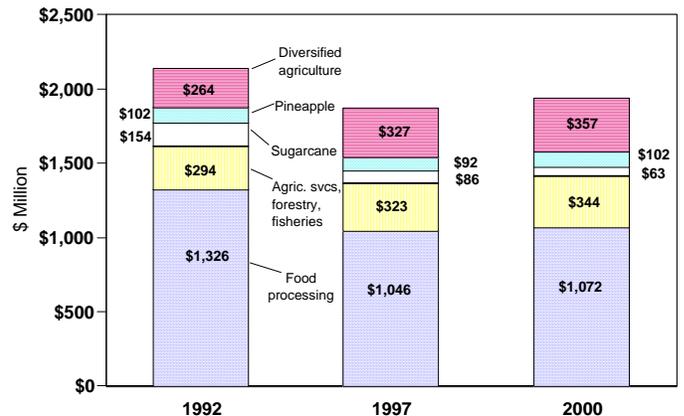
Employment (the number of full and part-time jobs) provides another good indicator in measuring the contribution of an industry to the economy. In 1992, agriculture contributed 4.2% of total employment in the state, but it declined slightly to 3.7% in 1997, before reversing the trend and rising to 3.8% in 2000. When distribution margins are included, agriculture in 2000 contributed over 38,000 jobs, or 5.0% of the total statewide employment.

## Alternate methodology

The U.S. Department of Agriculture's Economic Research Service (USDA-ERS) also estimates the impact of agriculture in Hawaii. ERS uses the national input-output table to assess the total economic activity (in terms of value added, employment, and output) in providing food, clothing, tobacco, flowers, and other agricultural products to the final consumers. By this measure, in 1997 the estimated total contribution of Hawaii's agriculture in terms of value added was \$4.72 billion and employment was 114,431 jobs; these correspond to 12.3% of Hawaii's total value added and 15.4% of state employment<sup>1</sup>. These estimates are obviously higher than those presented above, primarily due to the much-expanded definition of agriculture used by ERS.

<sup>1</sup> Dr. William Edmondson, ERS-USDA, provided the 1997 estimates, the most recent available.

Sales by agricultural sector



PingSun Leung, Dept. of Molecular Biosciences and Bioengineering, and Matthew K. Loke, Hawaii Department of Agriculture. Published by the College of Tropical Agriculture and Human Resources (CTAHR) and issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture. Andrew G. Hashimoto, Director/Dean, Cooperative Extension Service/CTAHR, University of Hawaii at Manoa, Honolulu, Hawaii 96822. An Equal Opportunity / Affirmative Action Institution providing programs and services to the people of Hawaii without regard to race, sex, age, religion, color, national origin, ancestry, disability, marital status, arrest and court record, sexual orientation, or veteran status. CTAHR publications can be found on the Web site <<http://www.ctahr.hawaii.edu>> or ordered by calling 808-956-7046 or sending e-mail to [ctahrpub@hawaii.edu](mailto:ctahrpub@hawaii.edu).

# FARM FINANCIAL INDICATORS

## FARM BUSINESS BALANCE SHEET: State of Hawaii, December 31, 2002-2006

	2002	2003	2004 <sup>1</sup>	2005 <sup>1</sup>	2006 <sup>1</sup>
<i>1,000 dollars</i>					
Farm assets	4,175,231	4,463,007			
Farm debt <sup>2</sup>	276,628	282,687			
Real estate	155,693	161,281			
Nonreal estate	120,935	121,406			
Equity	3,898,603	4,180,320			
Ratio:					
Debt/equity	7.1	6.8			
Debt/assets	6.6	6.3			

<sup>1</sup> Data discontinued.

<sup>2</sup> Excludes debt for nonfarm purposes.

Source: Economic Research Service, USDA.

## FARM FINANCIAL INDICATORS: Value added to the Hawaii economy by the agricultural sector via the production of goods and services, 2002-2006<sup>1</sup>

Item <sup>2</sup>	2002	2003	2004	2005	2006
<i>1,000 dollars</i>					
Value of crop production	453,815	461,215	461,069	487,574	<b>467,170</b>
Value of livestock production	85,257	89,549	92,361	93,128	<b>86,482</b>
Revenues from services and forestry	62,623	68,630	76,061	70,990	<b>71,852</b>
Machine hire and customwork	11,563	15,715	17,598	14,892	<b>14,197</b>
Forest products sold	400	400	400	400	<b>400</b>
Other farm income	19,789	20,673	22,917	19,250	<b>20,772</b>
Gross imputed rental value of farm dwellings	30,871	31,842	35,146	36,448	<b>36,483</b>
Value of agricultural sector production	601,694	619,394	629,491	651,693	<b>625,504</b>
less: Purchased inputs	210,959	226,720	226,639	245,404	<b>247,526</b>
Farm origin	48,275	48,484	51,760	50,301	<b>47,437</b>
Manufactured inputs	59,844	66,760	72,916	85,813	<b>88,952</b>
Other purchased inputs	102,840	111,476	101,963	109,290	<b>111,137</b>
plus: Net government transactions	(5,017)	(5,777)	(5,415)	(3,863)	<b>(5,481)</b>
Gross value added	385,718	386,896	397,438	402,426	<b>372,497</b>
less: Capital consumption	39,202	40,141	42,062	44,017	<b>45,657</b>
Net value added	346,516	346,755	355,376	358,409	<b>326,840</b>
less: Payments to stakeholders	211,250	198,504	220,089	217,726	<b>221,308</b>
Employee compensation (total hired labor)	182,604	171,022	192,122	187,873	<b>189,893</b>
Net rent received by nonoperator landlords	10,872	11,228	11,617	11,337	<b>10,402</b>
Real estate and nonreal estate interest	17,774	16,254	16,350	18,516	<b>21,013</b>
Net farm income	135,266	148,251	135,287	140,683	<b>105,532</b>

<sup>1</sup> Revised.

<sup>2</sup> Value of agricultural sector production is the gross value of the commodities and services produced within a year. Net value-added is the sector's contribution to the National Economy and is the sum of the income from production earned by all factors-of-production, regardless of ownership. Net farm income is the farm operators' share of income from the sector's production activities. The concept presented is consistent with that employed by the Organization for Economic Cooperation and Development.

Source: Economic Research Service, USDA.



## 2006 SUGAR AND SPECIALTY CROP HIGHLIGHTS

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### ◆ **Sugar**

Production for 2006 decreased 16 percent from the previous year to 213,000 tons of 96° raw sugar. The plantations were able to harvest 1.6 million tons of sugarcane from 20,400 acres, an average yield of 79.1 tons of sugarcane per acre. Sugar prices during 2006 increased 1 percent to \$351 per ton of 96° raw sugar, which generated in a raw sugar total value of \$74.8 million, 15 percent below 2005.

### ◆ **Coffee**

Total farm revenues of Hawaii's 2006-2007 coffee is estimated at \$37 million (parchment basis), down 1 percent from the 2005-2006 season. This decrease in revenue resulted as a 45 cent increase in the average farm price was more than offset by a 10 percent drop in production to 7.4 million pounds (parchment equivalent basis). Hawaii County accounted for \$25.6 million or 69 percent of the state's total farm revenue. The combined farm value of Honolulu, Kauai, and Maui Counties was \$11.4 million (parchment equivalent basis), up 82 percent from the 2005-2006 season.

Production decreased in Hawaii County, but increased in other areas. Hawaii County produced 4.0 million pounds (parchment equivalent basis) during the 2006-2007 season. This was 31 percent below last year's 5.8 million pounds. Production from the combined areas of Honolulu, Kauai, and Maui Counties increased to 3.4 million pounds (parchment equivalent basis). State yields declined to 1,200 pounds per acre compared to 1,300 pounds a year ago.

Total acreage harvested increased 3 percent from last season to 6,300 acres. Acreage harvested declined 9 percent in Hawaii County to 3,000, while other counties recorded an increase to 3,300 acres or 18 percent above the previous year.

The statewide farm price for coffee averaged a record high \$5.00 per pound (parchment equivalent basis) for the 2005-2007 season, up 10 percent for the 2005-2006 season previously record high farm price of \$4.55 per pound. Hawaii County growers received an average of \$6.40 per pound (parchment equivalent basis) during the 2006-2007 season. Growers on Honolulu, Kauai, and Maui Counties received an average of \$3.353 per pound (parchment equivalent basis) for coffee during the 2006-2007 season.

### ◆ **Macadamia Nuts**

Hawaii's 2006-2007 macadamia nut harvest is estimated at 58.0 million pounds net, wet-in-shell, up 4.0 million pounds from last season's harvest. While it was not the highest on record, output for the 2006-2007 season matched the previous high set back during the 1997-1998 crop year. For some macadamia nut orchards located in normally drier areas, rainfall was welcomed. However, macadamia nut orchards located in normally wet areas suffered lower output due to disease problems.

Total acreage for 2006-2007 decreased 1,300 acres to 17,000 acres while harvested area totaled 15,000 acres, a 3,000 acre decline from last season. The farm price for net, wet-in-shell macadamia nuts averaged 67.0 cents per pound, 14.0 cents less than the 2005-2006 average.

Early in the season, one large processor announced a limitation of nut purchases from independent growers. Many growers reported this to be a problem and with lower nut prices, the crop was not harvested by some growers as well as some operators moving to other commodities. Growers also related that feral pigs were a problem in some areas.

**COFFEE: Number of farms, acreage, yield, marketings, price, and value,  
by county, 2002/2003-2006/2007 crop years**

Crop year <sup>1</sup>	Farms	Acreage		Yield per acre <sup>2</sup>	Marketings <sup>3</sup>	Farm prices			Value of sales	Green production
		In crop	Harvested			Cherry	Parchment	All <sup>4</sup>		
	<i>Number</i>	<i>----- Acres -----</i>		<i>---- 1,000 pounds ----</i>		<i>----- Cents per pound -----</i>			<i>1,000 dollars</i>	<i>1,000 pounds</i>
<b>State</b>										
2002-2003	710	7,200	5,900	1.3	7,500			310.0	23,250	5,900
2003-2004	715	7,300	5,900	1.4	8,300			290.0	24,070	6,600
2004-2005	750	7,700	5,800	1.0	5,600			355.0	19,880	4,500
2005-2006	790	7,900	6,100	1.3	8,200			455.0	37,310	6,600
<b>2006-2007</b>	<b>820</b>	<b>8,200</b>	<b>6,300</b>	<b>1.2</b>	<b>7,400</b>			<b>500.0</b>	<b>37,000</b>	<b>5,700</b>
<b>County:</b>										
<b>Hawaii</b>										
2002-2003	680	3,500	2,850	1.4	4,100	90.0	405.0	390.0	15,990	3,200
2003-2004	690	3,600	3,000	1.3	4,000	85.0	365.0	380.0	15,200	3,200
2004-2005	710	3,750	3,300	1.0	3,200	110.0	660.0	465.0	14,880	<sup>5</sup> 2,560
2005-2006	745	3,800	3,300	1.8	5,800	120.0	670.0	535.0	31,030	4,700
<b>2006-2007</b>	<b>775</b>	<b>3,800</b>	<b>3,000</b>	<b>1.3</b>	<b>4,000</b>	<b>135.0</b>	<b>765.0</b>	<b>640.0</b>	<b>25,600</b>	<b>3,000</b>
<b>Honolulu/Kauai/Maui<sup>6</sup></b>										
2002-2003	30	3,700	3,050	1.1	3,400			213.5	7,260	2,700
2003-2004	25	3,700	2,900	1.5	4,300			206.3	8,870	3,400
2004-2005	40	3,950	2,500	1.0	2,400			208.3	5,000	<sup>5</sup> 1,940
2005-2006	45	4,100	2,800	.9	2,400			261.7	6,280	1,900
<b>2006-2007</b>	<b>45</b>	<b>4,400</b>	<b>3,300</b>	<b>1.0</b>	<b>3,400</b>			<b>335.3</b>	<b>11,400</b>	<b>2,700</b>

<sup>1</sup> Coffee harvesting occurs throughout the year in Hawaii. The main harvest normally begins in late summer and extends to the early part of the following year.

<sup>2</sup> Average yields based on parchment equivalent marketings and harvested acreage.

<sup>3</sup> Expressed in parchment equivalent pounds. Coffee marketed in cherry form was converted to an equivalent parchment weight and added to parchment marketings.

<sup>4</sup> Represents an average farm price for parchment equivalent sales. Obtained by dividing farm revenues from the sale of cherry and parchment coffee by total marketings (parchment equivalent basis).

<sup>5</sup> Revised.

<sup>6</sup> Kauai and Maui combined with Honolulu to avoid disclosure of individual operations.



# GINGER ROOT, KAVA (AWA)

Hawaii's ginger root farms harvested 2.8 million pounds during the 2006-2007 season, down 35 percent from the 2005-2006 season and the smallest crop since the 1979-1980 season. The average farm price is estimated at 85.0 cents per pound for the season, up 21 percent from the previous season's farm price of 70.0 cents per pound. Total farm value of the 2006-2007 harvest is estimated at \$2.4 million, down 21 percent from the 2005-2006 season.

Ginger root growers harvested 80 acres during the 2006-2007 season, down 20 percent from the previous season and the lowest in 27 years. Weather conditions were less than ideal for ginger root during this season as ginger root needs abundant rainfall during its growth phase. The major producing areas of the island of Hawaii experienced an overall dry year. Also, higher import levels of lower priced ginger root from China impacted Hawaii growers.

## GINGER ROOT: Acreage, yield, production, price, and value, State of Hawaii, 2002/2003-2006/2007 crop years

Crop year <sup>1</sup>	Harvested acres	Yield per acre	Production	Farm price	Value of sales
2002-2003	160	37.5	6,000	60.0	3,600
2003-2004	150	40.0	6,000	90.0	5,400
2004-2005	120	42.5	5,100	80.0	4,080
2005-2006	100	43.0	4,300	70.0	3,010
<b>2006-2007</b>	<b>80</b>	<b>35.0</b>	<b>2,800</b>	<b>85.0</b>	<b>2,380</b>

<sup>1</sup> Harvesting normally begins in December and continues into the following year.

## GINGER ROOT: U.S. imports, 2002-2006

Year	Unground (including fresh)	Ground	Sweet	Candied	Total <sup>1</sup>
2002	44,306	2,244	3,315	3,017	52,882
2003	57,548	2,740	4,828	3,137	68,252
2004	59,162	4,603	5,784	2,957	72,506
2005	66,202	3,742	7,583	3,472	80,999
<b>2006</b>	<b>68,738</b>	<b>3,029</b>	<b>8,034</b>	<b>4,268</b>	<b>84,069</b>

<sup>1</sup> Sum of categories may not add to total due to rounding.

Source: Foreign Agricultural Trade of the United States, Economic Research Service, U.S. Department of Agriculture.

## KAVA (AWA): Number of farms, acreage, production, price, and value, State of Hawaii, 2002-2006

Year	Farms	Acreage <sup>1</sup>		Total sales <sup>3</sup>	Farm price <sup>4</sup>	Value of sales
		Total <sup>2</sup>	Harvested			
	Number	----- Acres -----		1,000 pounds	Dollars per pound	1,000 dollars
2002	55	50	15	60	1.15	69
2003	25	20	10	25	4.40	110
2004 <sup>5</sup>						
2005 <sup>5</sup>						
<b>2006 <sup>5</sup></b>						

<sup>1</sup> Includes kava inter-planted with another crop. <sup>2</sup> As of December 31. <sup>3</sup> Fresh weight basis. Dried kava (awa) sales were converted to a fresh weight basis by multiplying by five. Includes all type of sales, including organic. <sup>4</sup> Represents average farm price for fresh sales. <sup>5</sup> Beginning 2004, data series discontinued.

## FRESH HERBS: Production, price, and value, State of Hawaii, 2002-2006

Year	Basil			Parsley	Chinese parsley (Cilantro)	Other herbs <sup>1</sup>	All herbs
	Sweet (Italian)	Asian	Total				
<b>Production – 1,000 pounds</b>							
2002	2,000	1,000	3,000	300	300	550	4,150
2003	2,000	1,200	3,200	310	250	440	4,200
2004	1,800	1,000	2,800	280	240	580	3,900
2005	1,700	1,300	3,000	250	200	950	4,400
<b>2006</b>	<b>2,000</b>	<b>1,600</b>	<b>3,600</b>	<b>250</b>	<b>200</b>	<b>1,650</b>	<b>5,700</b>
<b>Farm price – dollars per pound</b>							
2002	1.95	.85		1.70	1.50	2.30	
2003	2.00	.80		2.20	2.10	2.45	
2004	2.05	.95		2.00	2.20	2.15	
2005	2.45	1.10		1.85	2.60	2.15	
<b>2006</b>	<b>1.90</b>	<b>.95</b>		<b>1.85</b>	<b>2.40</b>	<b>1.70</b>	
<b>Farm value – 1,000 dollars</b>							
2002	3,900	850	4,750	510	450	1,265	6,975
2003	4,000	960	4,960	682	525	1,078	7,245
2004	3,690	950	4,640	560	528	1,247	6,975
2005	4,165	1,430	5,595	463	520	2,043	8,621
<b>2006</b>	<b>3,800</b>	<b>1,520</b>	<b>5,320</b>	<b>462</b>	<b>480</b>	<b>2,805</b>	<b>9,067</b>

<sup>1</sup> Includes spearmint, dill, and other herbs; some of which cannot be published separately to avoid disclosure. Also includes small amount of basil and parsley for which an individual total could not be obtained.

## SEED CROPS: Number of farms, acreage, outshipments, and value, State of Hawaii, 2002/2003-2006/2007

Crop year <sup>1</sup>	Farms	Acreage				Total outshipments of seed	Value <sup>2</sup>		
		Total	Nursery	Seed increase	Grow-out or observation		Total	Seed corn	Other seed crops
	<i>Number</i>	<i>Acres</i>				<i>1,000 pounds</i>	<i>1,000 dollars</i>		
2002-2003	7	3,900	1,210	2,580	110	5,850	48,145	47,060	1,085
2003-2004	10	3,900	1,045	2,730	125	6,500	49,160	47,435	1,725
2004-2005	10	3,680	1,090	2,450	140	6,900	62,600	60,200	2,400
2005-2006	10	4,140	1,360	2,740	40	7,550	77,330	74,800	2,530
<b>2006-2007</b>	<b>10</b>	<b>4,820</b>	<b>1,390</b>	<b>3,380</b>	<b>50</b>	<b>9,020</b>	<b>97,580</b>	<b>93,970</b>	<b>3,610</b>

<sup>1</sup> Seed crops are grown year-round in Hawaii with the main season from November to June.

<sup>2</sup> Value is based on sales or gross operational budgets.

**SUGARCANE: Number of farms, acreage, yield, production, price, and value,  
by county, 2002-2006<sup>1</sup>**

Year	Farms <sup>2</sup>	Acreage		Yield per acre		Production of cane for sugar	Farm price <sup>3</sup>	Value of cane for sugar <sup>4</sup>
		In crop <sup>2</sup>	Harvested for sugar	Sugarcane <sup>3</sup>	Raw sugar 96°			
	<i>Number</i>	<i>----- 1,000 acres -----</i>		<i>----- Tons -----</i>		<i>1,000 tons</i>	<i>Dollars per ton</i>	<i>Million dollars</i>
<b>State</b>								
2002	2	47.5	21.3	99.0	12.67	2,109	30.50	64.3
2003	2	47.8	19.9	102.0	13.15	2,030	31.70	64.4
2004	2	43.0	21.8	90.8	11.83	1,979	31.10	61.5
2005	2	40.1	21.7	80.8	11.61	1,753	33.60	58.9
<b>2006</b>	<b>2</b>	<b>42.1</b>	<b>20.4</b>	<b>79.1</b>	<b>10.44</b>	<b>1,614</b>	<b>31.10</b>	<b>50.2</b>
<b>County:</b>								
<b>Kauai</b>								
2002	1	10.8	4.8	86.5	11.40	415	31.30	13.0
2003	1	11.1	4.2	92.6	13.19	389	34.70	13.5
2004	1	8.2	4.9	87.8	12.06	430	35.60	15.3
2005	1	7.1	5.1	82.7	11.70	422	34.80	14.7
<b>2006</b>	<b>1</b>	<b>7.2</b>	<b>3.5</b>	<b>83.1</b>	<b>11.44</b>	<b>291</b>	<b>32.70</b>	<b>9.5</b>
<b>Maui</b>								
2002	1	36.7	16.5	102.7	13.04	1,694	30.30	51.3
2003	1	36.7	15.7	104.5	13.14	1,641	31.00	50.9
2004	1	34.8	16.9	91.7	11.77	1,549	29.80	46.2
2005	1	33.0	16.6	80.2	11.58	1,331	33.20	44.2
<b>2006</b>	<b>1</b>	<b>34.9</b>	<b>16.9</b>	<b>78.3</b>	<b>10.24</b>	<b>1,323</b>	<b>30.80</b>	<b>40.7</b>

<sup>1</sup> Primary data source, Hawaii Agricultural Research Center.

<sup>2</sup> At end of year.

<sup>3</sup> Yield and farm price may not compute exactly due to rounding.

<sup>4</sup> Value of cane for sugar estimated by deducting processing and marketing costs from value of sugar and molasses.

**SUGAR: Production of raw sugar and molasses, price, and value, by county, 2002-2006 <sup>1</sup>**

Year	Mill production		Average returns received <sup>2</sup>		Value of production		
	Raw sugar 96 °	Molasses <sup>3</sup>	Raw sugar 96 °	Molasses <sup>3</sup>	Raw sugar 96 °	Molasses <sup>3</sup>	Total
	----- 1,000 tons -----		----- Dollars per ton -----		----- Million dollars -----		
<b>State</b>							
2002	270	90	355	49.40	95.9	4.4	100.3
2003	261	90	367	35.20	95.9	3.1	99.0
2004	258	80	355	29.50	91.7	2.4	94.1
2005	253	73	347	63.30	87.9	4.6	92.5
<b>2006</b>	<b>213</b>	<b>66</b>	<b>351</b>	<b>74.70</b>	<b>74.8</b>	<b>4.9</b>	<b>79.7</b>
<b>County:</b>							
<b>Kauai</b>							
2002	54	16	359	45.90	19.4	.7	20.1
2003	55	15	365	34.90	20.1	.5	20.6
2004	59	15	386	40.00	22.8	.6	23.4
2005	60	16	365	75.00	21.9	1.2	23.1
<b>2006</b>	<b>40</b>	<b>10</b>	<b>356</b>	<b>70.00</b>	<b>14.2</b>	<b>.7</b>	<b>14.9</b>
<b>Maui</b>							
2002	216	74	354	50.10	76.5	3.7	80.2
2003	206	75	368	35.30	75.8	2.6	78.4
2004	199	65	346	27.10	68.9	1.8	70.7
2005	193	57	342	60.00	66.0	3.4	69.4
<b>2006</b>	<b>173</b>	<b>56</b>	<b>350</b>	<b>75.50</b>	<b>60.6</b>	<b>4.2</b>	<b>64.8</b>

<sup>1</sup> Primary data source, Hawaii Agricultural Research Center.

<sup>2</sup> Derived from production and value. State and county prices may not compute exactly due to rounding.

<sup>3</sup> Commercial.



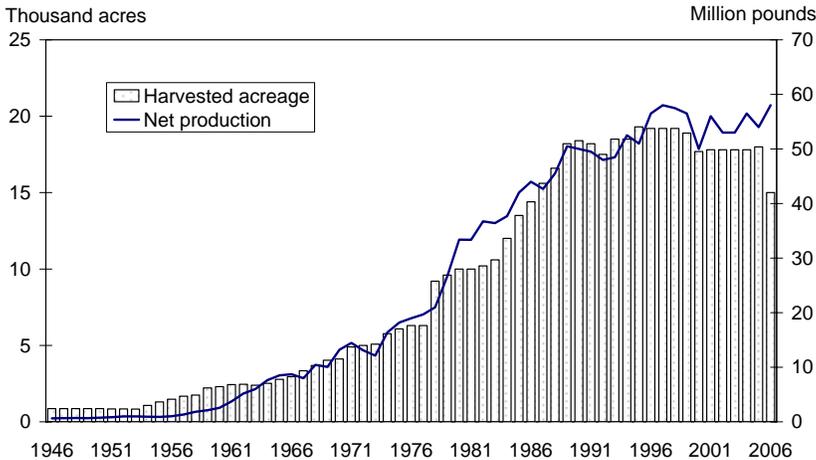
# MACADAMIA NUTS

## MACADAMIA NUTS: Number of farms, acreage, yield, production, moisture, price, and value, State of Hawaii, 2002/2003-2006/2007 crop years

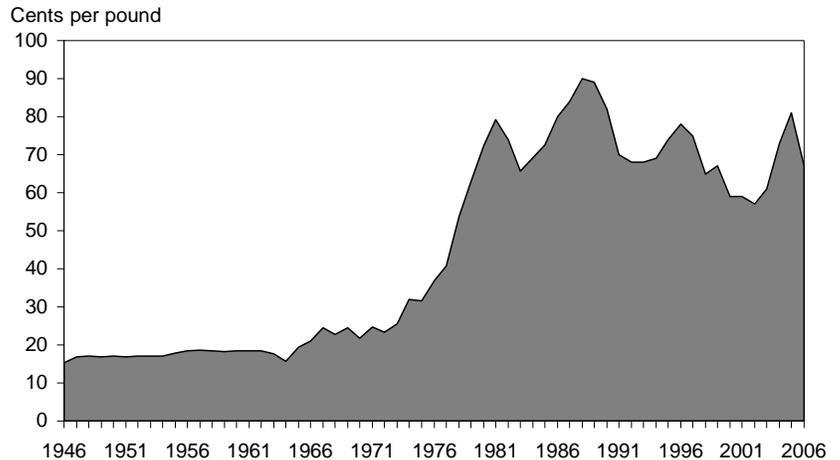
Crop year <sup>1</sup>	Farms	Acreage		Yield per acre <sup>3</sup>	Production <sup>4</sup>		Average moisture		Farm prices <sup>4</sup>		Farm value <sup>8</sup>
		In crop	Harvested <sup>2</sup>		Gross <sup>5</sup>	Net <sup>6</sup>	Entire crop	Purchases only	Gross <sup>7</sup>	Net	
	Number	Acres		1,000 pounds			Percent		Cents per pound		1,000 dollars
2002-2003	650	18,000	17,800	3.0	60,000	53,000	20.4	20.7	50.4	57.0	30,210
2003-2004	650	18,000	17,800	3.0	60,000	53,000	20.2	20.7	53.9	61.0	32,330
2004-2005	650	18,000	17,800	3.2	63,000	56,500	20.7	21.0	65.5	73.0	41,245
2005-2006	650	18,300	18,000	3.0	62,000	54,000	20.7	20.4	70.5	81.0	43,740
<b>2006-2007</b>	<b>570</b>	<b>17,000</b>	<b>15,000</b>	<b>3.9</b>	<b>65,000</b>	<b>58,000</b>	<b>21.2</b>	<b>22.1</b>	<b>59.8</b>	<b>67.0</b>	<b>38,860</b>

<sup>1</sup> Season begins July 1<sup>st</sup> and ends June 30<sup>th</sup> of the following year. <sup>2</sup> Called bearing acreage prior to 1993-94 crop year. <sup>3</sup> Net production divided by acreage harvested. <sup>4</sup> Wet-in-shell basis, delivered to processors. <sup>5</sup> Gross pounds delivered for processing. <sup>6</sup> Gross pounds delivered for processing less total spoilage. <sup>7</sup> Farm value divided by gross production. <sup>8</sup> Net production multiplied by net farm price.

MACADAMIA NUTS: Harvested Acreage and Net Production, State of Hawaii, 1946-2006 Seasons



MACADAMIA NUTS: Net, Wet-in-shell Farm Prices, State of Hawaii, 1946-2006 Seasons



# FLORICULTURE AND NURSERY PRODUCTS



Hawaii County growers of flowers and nursery products accounted for 52 percent of the State's total wholesale value of flowers and nursery products in 2006. Hawaii County's 410 growers rang up sales of \$51.9 million, 3 percent less than the \$53.4 million in 2005. Honolulu's 250 producers accounted for 33 percent of the State's total wholesale value of

flowers and nursery products. Honolulu farmers reported sales of \$33.5 million, 3 percent above 2005. Maui County's 195 producers generated \$12.3 million in sales, 3 percent more than a year ago. Kauai's 75 producers registered \$2.9 million in sales, 8 percent less than 2005.

## FLORICULTURE AND NURSERY PRODUCTS: Value of grower sales, by county, 2002-2006

Year	Cut flowers <sup>1</sup>	Orchids <sup>2</sup>	Lei flowers	Foliage <sup>3</sup>	Potted flowering plants	All other nursery products <sup>4</sup>	Unspecified sales <sup>5</sup>	Total
<i>1,000 dollars</i>								
<b>State</b>								
2002	13,055	22,823	4,170	17,746	7,052	29,569	1,300	95,715
2003	14,183	23,439	3,704	16,966	5,563	30,391	1,355	95,601
2004	13,204	22,769	3,397	17,621	6,004	30,848	1,335	95,178
2005	13,997	22,225	3,687	19,509	6,278	33,796	1,470	100,962
<b>2006</b>	<b>14,117</b>	<b>22,182</b>	<b>3,473</b>	<b>18,106</b>	<b>6,363</b>	<b>34,998</b>	<b>1,450</b>	<b>100,689</b>
<b>County:</b>								
<b>Hawaii</b>								
2002	9,191	13,903	1,180	14,860	2,220	7,941	575	49,870
2003	10,321	14,220	1,081	14,358	1,086	8,505	635	50,206
2004	9,752	14,514	911	15,083	1,083	8,431	640	50,414
2005	10,160	14,302	933	16,826	965	9,663	600	53,449
<b>2006</b>	<b>10,145</b>	<b>14,495</b>	<b>804</b>	<b>14,810</b>	<b>1,160</b>	<b>9,936</b>	<b>595</b>	<b>51,945</b>
<b>Honolulu</b>								
2002	694	7,587	1,412	2,301	3,465	16,307	340	32,106
2003	639	7,134	1,400	2,157	3,293	16,099	370	31,092
2004	733	6,813	1,554	2,024	3,488	17,221	340	32,173
2005	806	6,490	1,482	2,143	3,409	17,669	400	32,399
<b>2006</b>	<b>955</b>	<b>6,197</b>	<b>1,342</b>	<b>2,296</b>	<b>3,569</b>	<b>18,810</b>	<b>355</b>	<b>33,524</b>
<b>Kauai</b>								
2002	363	326	<sup>6</sup>	<sup>6</sup>	84	1,715	145	2,633
2003	261	456	109	86	140	1,885	130	3,067
2004	189	524	52	64	159	1,928	140	3,056
2005	193	442	23	58	283	2,045	160	3,204
<b>2006</b>	<b>232</b>	<b>498</b>	<b>33</b>	<b>343</b>	<b>98</b>	<b>1,600</b>	<b>140</b>	<b>2,944</b>
<b>Maui</b>								
2002	2,807	1,007	<sup>6</sup>	<sup>6</sup>	1,283	5,769	240	11,106
2003	2,962	1,629	1,114	365	1,044	3,902	220	11,236
2004	2,530	918	880	450	1,274	3,268	215	9,535
2005	2,838	991	1,249	482	1,621	4,419	310	11,910
<b>2006</b>	<b>2,785</b>	<b>992</b>	<b>1,294</b>	<b>657</b>	<b>1,536</b>	<b>4,652</b>	<b>360</b>	<b>12,276</b>

<sup>1</sup> Cut orchids included in "Orchids" category. <sup>2</sup> Excludes orchids used for lei flowers. <sup>3</sup> Includes potted, cut, and unfinished. Beginning 1998, landscape foliage included with "All other nursery products". <sup>4</sup> Includes bedding plants, plant rentals, sod, trees, and any other nursery products not elsewhere classified. Sum of county estimates may not add to State total due to rounding. <sup>5</sup> Includes grower sales greater than \$999 but less than \$10,000 which were not categorized. <sup>6</sup> Data not shown separately to avoid disclosure of individual operations but combined and included in the State total.



# FLORICULTURE AND NURSERY PRODUCTS

## FLORICULTURE AND NURSERY PRODUCTS: Number of farms, quantity, and value, State of Hawaii, 2002-2006 <sup>1</sup>

Crop	Farms having sales <sup>2</sup>	Quantity sold	Value of sales
	<i>Number</i>	<i>1,000</i>	<i>1,000 dollars</i>
<b>CUT FLOWERS</b>			
<b>Anthuriums - dozens</b>			
2002	66	738	4,720
2003	61	810	5,832
2004	59	617	4,665
2005	58	592	5,101
<b>2006</b>	<b>57</b>	<b>674</b>	<b>5,459</b>
<b>Birds of Paradise - dozens</b>			
2002	24	94	666
2003	29	74	586
2004	30	51	426
2005	33	49	380
<b>2006</b>	<b>31</b>	<b>46</b>	<b>352</b>
<b>Chrysanthemums, pompon - bunches</b>			
2002	4	225	469
2003	4	229	480
2004	4	217	453
2005	4	211	447
<b>2006</b>	<b>5</b>	<b>205</b>	<b>441</b>
<b>Ginger, pink - dozens</b>			
2002	40	59	474
2003	40	54	477
2004	45	47	456
2005	47	62	454
<b>2006</b>	<b>52</b>	<b>69</b>	<b>549</b>
<b>Ginger, red - dozens</b>			
2002	56	147	1,048
2003	57	140	1,013
2004	57	132	1,044
2005	64	134	995
<b>2006</b>	<b>60</b>	<b>135</b>	<b>1,059</b>
<b>Gingers, other - dozens</b>			
2002	22	25	197
2003	27	23	228
2004	32	23	261
2005	24	18	163
<b>2006</b>	<b>20</b>	<b>21</b>	<b>206</b>

See footnotes at end of table.

Continued

# FLORICULTURE AND NURSERY PRODUCTS



## FLORICULTURE AND NURSERY PRODUCTS: Number of farms, quantity, and value, State of Hawaii, 2002-2006<sup>1</sup> -- Continued

Crop	Farms having sales <sup>2</sup>	Quantity sold	Value of sales
	<i>Number</i>	<i>1,000</i>	<i>1,000 dollars</i>
<b>Heliconias - dozens</b>			
2002	50	78	734
2003	58	66	792
2004	60	71	853
2005	60	71	762
<b>2006</b>	<b>64</b>	<b>68</b>	<b>822</b>
<b>Proteas - stems</b>			
2002	25	1,475	1,108
2003	24	2,012	1,515
2004	32	1,921	1,416
2005	28	1,635	1,928
<b>2006</b>	<b>29</b>	<b>2,293</b>	<b>1,828</b>
<b>Other cut flowers - dozens</b>			
2002	55	NA	3,639
2003	49	NA	3,260
2004	49	NA	3,630
2005	47	NA	3,767
<b>2006</b>	<b>37</b>	<b>NA</b>	<b>3,401</b>
<b>ORCHIDS</b>			
<b>Cymbidiums, cut - flowers</b>			
2002	12	464	247
2003	11	464	229
2004	13	408	291
2005	13	428	311
<b>2006</b>	<b>7</b>	<b>356</b>	<b>263</b>
<b>Dendrobiums, sprays - dozens</b>			
2002	54	462	3,218
2003	50	410	3,069
2004	50	453	3,194
2005	48	391	3,078
<b>2006</b>	<b>43</b>	<b>309</b>	<b>2,481</b>
<b>Oncidiums, sprays - dozens</b>			
2002	34	64	641
2003	34	79	770
2004	29	60	706
2005	28	59	674
<b>2006</b>	<b>26</b>	<b>59</b>	<b>630</b>

See footnotes at end of table.

Continued



# FLORICULTURE AND NURSERY PRODUCTS

## FLORICULTURE AND NURSERY PRODUCTS: Number of farms, quantity, and value, State of Hawaii, 2002-2006 <sup>1</sup> -- Continued

Crop	Farms having sales <sup>2</sup>	Quantity sold	Value of sales
	<i>Number</i>	<i>1,000</i>	<i>1,000 dollars</i>
<b>Other orchid sprays<sup>3</sup> - dozens</b>			
2002	16	NA	210
2003	17	NA	656
2004	18	NA	183
2005	13	NA	107
<b>2006</b>	<b>15</b>	<b>NA</b>	<b>722</b>
<b>Dendrobiums, potted<sup>4</sup> - pots</b>			
2002	76	1,354	7,318
2003	81	1,096	6,154
2004	80	1,236	6,679
2005	77	1,142	6,056
<b>2006</b>	<b>76</b>	<b>1,127</b>	<b>5,768</b>
<b>Oncidiums, potted<sup>5</sup> - pots</b>			
2002			
2003			
2004	43	464	3,113
2005	46	403	2,942
<b>2006</b>	<b>36</b>	<b>221</b>	<b>1,304</b>
<b>Phalaenopsis, potted - pots</b>			
2002	28	178	1,214
2003	31	246	1,695
2004	32	174	1,018
2005	23	80	717
<b>2006</b>	<b>23</b>	<b>90</b>	<b>752</b>
<b>Other potted orchids - pots</b>			
2002	82	1,922	9,975
2003	88	1,814	10,866
2004	78	1,352	7,585
2005	75	1,374	8,340
<b>2006</b>	<b>78</b>	<b>1,685</b>	<b>10,262</b>

See footnotes at end of table.

Continued

# FLORICULTURE AND NURSERY PRODUCTS



## FLORICULTURE AND NURSERY PRODUCTS: Number of farms, quantity, and value, State of Hawaii, 2002-2006<sup>1</sup> -- Continued

Crop	Farms having sales <sup>2</sup>	Quantity sold	Value of sales
	<i>Number</i>	<i>1,000</i>	<i>1,000 dollars</i>
<b>FOLIAGE</b>			
<b>Dracaena, potted</b>			
2002	36	NA	5,604
2003	32	NA	5,573
2004	29	NA	5,735
2005	28	NA	7,030
<b>2006</b>	<b>27</b>	<b>NA</b>	<b>5,590</b>
<b>Palms, potted</b>			
2002	46	NA	7,966
2003	49	NA	7,404
2004	45	NA	7,311
2005	49	NA	8,135
<b>2006</b>	<b>48</b>	<b>NA</b>	<b>8,309</b>
<b>Hanging baskets, potted</b>			
2002	16	NA	182
2003	17	NA	146
2004	16	NA	208
2005	13	NA	178
<b>2006</b>	<b>14</b>	<b>NA</b>	<b>110</b>
<b>Other potted foliage</b>			
2002	29	NA	2,368
2003	32	NA	2,209
2004	28	NA	2,702
2005	31	NA	2,499
<b>2006</b>	<b>29</b>	<b>NA</b>	<b>2,252</b>
<b>Ti leaves, cut - leaves</b>			
2002	40	5,900	632
2003	43	7,900	746
2004	39	6,100	571
2005	41	5,800	668
<b>2006</b>	<b>46</b>	<b>6,400</b>	<b>710</b>
<b>Other cut greens</b>			
2002	28	NA	259
2003	31	NA	317
2004	34	NA	352
2005	46	NA	382
<b>2006</b>	<b>44</b>	<b>NA</b>	<b>531</b>
<b>Unfinished foliage stock (for further growing on)</b>			
2002	11	NA	735
2003	9	NA	571
2004	11	NA	742
2005	10	NA	617
<b>2006</b>	<b>10</b>	<b>NA</b>	<b>604</b>

See footnotes at end of table.

Continued



# FLORICULTURE AND NURSERY PRODUCTS

## FLORICULTURE AND NURSERY PRODUCTS: Number of farms, quantity, and value, State of Hawaii, 2002-2006 <sup>1</sup> -- Continued

Crop	Farms having sales <sup>2</sup>	Quantity sold	Value of sales
	<i>Number</i>	<i>1,000</i>	<i>1,000 dollars</i>
<b>LEI/INDIVIDUAL BLOOMS</b>			
<b>Carnations – blooms</b>			
2002	7	7,000	360
2003	7	5,000	268
2004	5	3,800	242
2005 <sup>6</sup>			
<b>2006<sup>6</sup></b>			
<b>Dendrobiums - blooms</b>			
2002	29	29,300	908
2003	30	25,700	847
2004	26	18,100	580
2005	21	17,300	588
<b>2006</b>	<b>23</b>	<b>14,800</b>	<b>532</b>
<b>Pikake - strands</b>			
2002	9	81.0	242
2003	7	67.0	202
2004	5	56.0	158
2005	5	25.0	79
<b>2006</b>	<b>5</b>	<b>23.0</b>	<b>60</b>
<b>Plumerias - blooms</b>			
2002	14	25,200	604
2003	14	21,200	537
2004	13	16,000	510
2005	14	14,500	506
<b>2006</b>	<b>15</b>	<b>12,700</b>	<b>372</b>
<b>Tuberoses - blooms</b>			
2002	6	35,300	1,641
2003	7	32,200	1,484
2004	7	28,200	1,301
2005 <sup>6</sup>			
<b>2006<sup>6</sup></b>			
<b>Vanda, Miss Joaquim - blooms</b>			
2002	4	2,700	87
2003	6	2,700	86
2004	8	5,700	210
2005	6	8,300	306
<b>2006</b>	<b>6</b>	<b>10,900</b>	<b>425</b>
<b>Other lei/individual - blooms</b>			
2002	NA	NA	328
2003	NA	NA	280
2004	NA	NA	396
2005	NA	NA	2,208
<b>2006</b>	<b>NA</b>	<b>NA</b>	<b>2,084</b>

See footnotes at end of table.

Continued

# FLORICULTURE AND NURSERY PRODUCTS



## FLORICULTURE AND NURSERY PRODUCTS: Number of farms, quantity, and value, State of Hawaii, 2002-2006 <sup>1</sup> -- Continued

Crop	Farms having sales <sup>2</sup>	Quantity sold	Value of sales
	<i>Number</i>	<i>1,000</i>	<i>1,000 dollars</i>
<b>POTTED FLOWERING PLANTS</b>			
<b>Anthuriums - pots</b>			
2002	26	144	751
2003	30	148	804
2004	28	164	883
2005	17	101	549
<b>2006</b>	<b>18</b>	<b>109</b>	<b>497</b>
<b>Bromeliads - pots</b>			
2002	14	221	890
2003	12	117	461
2004	11	131	583
2005	14	126	580
<b>2006</b>	<b>10</b>	<b>140</b>	<b>648</b>
<b>Chrysanthemums - pots</b>			
2002	5	150	652
2003	5	108	497
2004	5	93	468
2005 <sup>7</sup>			
<b>2006 <sup>7</sup></b>			
<b>Poinsettias - pots</b>			
2002	31	382	1,551
2003	31	344	1,351
2004	30	327	1,409
2005	31	360	1,644
<b>2006</b>	<b>29</b>	<b>331</b>	<b>1,525</b>
<b>Other potted flowering plants</b>			
2002	31	NA	3,208
2003	29	NA	2,450
2004	21	NA	2,661
2005	31	NA	3,505
<b>2006</b>	<b>27</b>	<b>NA</b>	<b>3,693</b>
<b>POTTED BEDDING/GARDEN</b>			
<b>Impatiens, New Guinea</b>			
2002	11	121	172
2003	11	132	217
2004	14	139	223
2005	13	132	213
<b>2006</b>	<b>10</b>	<b>162</b>	<b>292</b>
<b>Impatiens, other</b>			
2002	12	268	145
2003	12	444	304
2004	13	440	303
2005	15	286	176
<b>2006</b>	<b>11</b>	<b>254</b>	<b>146</b>

See footnotes at end of table.

Continued



# FLORICULTURE AND NURSERY PRODUCTS

## FLORICULTURE AND NURSERY PRODUCTS: Number of farms, quantity, and value, State of Hawaii, 2002-2006 <sup>1</sup> -- Continued

Crop	Farms having sales <sup>2</sup>	Quantity sold	Value of sales
	<i>Number</i>	<i>1,000</i>	<i>1,000 dollars</i>
<b>Other bedding/garden</b>			
2002	29	NA	3,474
2003	29	NA	3,269
2004	31	NA	3,137
2005	26	NA	2,551
<b>2006</b>	<b>24</b>	<b>NA</b>	<b>2,828</b>
<b>PLANT RENTALS</b>			
2002	47	NA	3,801
2003	37	NA	2,959
2004	45	NA	3,385
2005	43	NA	4,931
<b>2006</b>	<b>41</b>	<b>NA</b>	<b>5,126</b>
<b>LANDSCAPE PLANTS <sup>8</sup></b>			
2002	117		17,150
2003	125		18,653
2004	128		19,219
2005	154		20,887
<b>2006</b>	<b>139</b>		<b>20,853</b>
<b>OTHER NURSERY PRODUCTS <sup>9</sup></b>			
2002			4,827
2003			4,989
2004			4,581
2005			5,038
<b>2006</b>			<b>5,753</b>
<b>UNSPECIFIED SALES <sup>10</sup></b>			
2002			1,300
2003			1,355
2004			1,335
2005			1,470
<b>2006</b>			<b>1,450</b>
<b>TOTAL</b>			
2002	870		95,715
2003	865		95,601
2004	920		95,178
2005	955		100,962
<b>2006</b>	<b>930</b>		<b>100,689</b>

NA = Not available. <sup>1</sup> Beginning 1992, includes only producers having total sales of \$10,000 or more. <sup>2</sup> Number for each individual flower item is a count of those having sales of that item during each year; "Total" is unduplicated count. <sup>3</sup> Includes cattleyas, vanda hybrids, phalaenopsis, paphiopedilums, and others. <sup>4</sup> Includes in bud/bloom and community pots. <sup>5</sup> Prior to 2004, included with "Other potted orchids". <sup>6</sup> Included with "Other lei/individual". <sup>7</sup> Included with "Other potted flowering plants." <sup>8</sup> Includes broadleaf and coniferous evergreens, deciduous and flower trees, palms, citrus, fruit and nut trees, and sod. Does not include palms or potted foliage for indoor or patio use, bedding and garden plants, propagative floriculture material, and items which are included in published categories. <sup>9</sup> Includes other flowers or nursery products not elsewhere classified. <sup>10</sup> Beginning 1992, includes sales of growers greater than \$999 but less than \$10,000 which were not categorized.

# FLORICULTURE AND NURSERY PRODUCTS



## FLORICULTURE AND NURSERY PRODUCTS: Number of farms and growing area, by county, 2002-2006

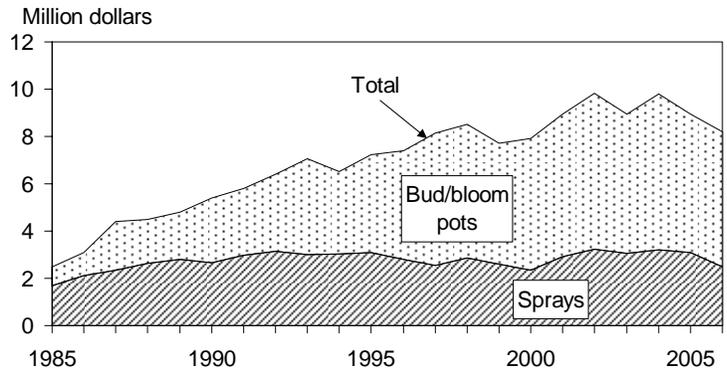
Year	Farms	Greenhouse <sup>1</sup>	Artificial shade	Natural shade	Open field	Total area
	<i>Number</i>	<i>----- 1,000 square feet -----</i>			<i>----- Acres -----</i>	
<b>State</b>						
2002	870	3,030	30,415	10	2,870	3,648
2003	865	2,540	27,465	16	3,185	3,890
2004	920	2,620	26,560	0	3,160	3,830
2005	955	2,095	27,015	0	3,320	3,988
<b>2006</b>	<b>930</b>	<b>2,180</b>	<b>25,115</b>	<b>0</b>	<b>3,425</b>	<b>4,052</b>
<b>County:</b>						
<b>Hawaii</b>						
2002	420	2,210	24,125	10	1,565	2,180
2003	395	1,895	21,295	16	1,860	2,408
2004	425	1,990	20,840	0	1,880	2,404
2005	425	1,445	20,980	0	1,940	2,455
<b>2006</b>	<b>410</b>	<b>1,450</b>	<b>19,875</b>	<b>0</b>	<b>2,090</b>	<b>2,580</b>
<b>Honolulu</b>						
2002	230	330	5,055	0	585	709
2003	230	230	5,035	0	580	701
2004	235	255	4,660	0	525	638
2005	265	275	4,715	0	660	774
<b>2006</b>	<b>250</b>	<b>255</b>	<b>3,985</b>	<b>0</b>	<b>610</b>	<b>707</b>
<b>Kauai</b>						
2002	65	90	495	0	180	193
2003	80	65	360	0	170	180
2004	80	90	310	0	225	234
2005	80	110	525	0	195	210
<b>2006</b>	<b>75</b>	<b>205</b>	<b>530</b>	<b>0</b>	<b>215</b>	<b>232</b>
<b>Maui</b>						
2002	155	400	740	0	540	566
2003	160	350	775	0	575	601
2004	180	285	750	0	530	554
2005	185	265	795	0	525	549
<b>2006</b>	<b>195</b>	<b>270</b>	<b>725</b>	<b>0</b>	<b>510</b>	<b>533</b>

<sup>1</sup> Glass or glass substitute structure.



# FLORICULTURE AND NURSERY PRODUCTS

**DENDROBIUMS: Value of Sales, State of Hawaii, 1985-2006 <sup>1</sup>**



**DENDROBIUM ORCHIDS: Sales and value, State of Hawaii, 2002-2006 <sup>1</sup>**

Year	Individual blossoms		Cut sprays		Potted plants				Total value
	Number sold	Value	Number sold	Value	In bud/bloom		Community pots		
					Number sold	Value	Number sold	Value	
<i>Million blooms</i>	<i>1,000 dollars</i>	<i>1,000 dozens</i>	<i>1,000 dollars</i>	<i>1,000 pots</i>	<i>1,000 dollars</i>	<i>1,000 pots</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	
2002	29.3	908	462	3,218	1,229	6,624	125	694	11,444
2003	25.7	847	410	3,069	1,040	5,866	56	288	10,070
2004	18.1	580	453	3,194	1,222	6,599	14	80	10,453
2005	17.3	588	391	3,078	1,103	5,879	39	177	9,722
<b>2006</b>	<b>14.8</b>	<b>532</b>	<b>309</b>	<b>2,481</b>	<b>1,117</b>	<b>5,708</b>	<b>10</b>	<b>60</b>	<b>9,781</b>

<sup>1</sup> Includes only producers with total sales of \$10,000 or more.

**DENDROBIUM ORCHIDS (POTTED IN BUD/BLOOM AND CUT SPRAYS): Number of farms and production area, State of Hawaii, 2002-2006 <sup>1</sup>**

Year	Farms		Production area		
	Cut sprays	Potted in bud/bloom	Cut sprays	Potted in bud/bloom	Total
	----- Number -----		----- 1,000 square feet -----		
2002	54	71	3,595	2,720	6,315
2003	50	69	3,005	2,205	5,210
2004	50	75	3,015	2,225	5,240
2005	48	72	3,315	2,355	5,670
<b>2006</b>	<b>43</b>	<b>72</b>	<b>2,780</b>	<b>2,405</b>	<b>5,185</b>

<sup>1</sup> Data includes only producers with \$10,000 or more in total sales.

# FLORICULTURE AND NURSERY PRODUCTS

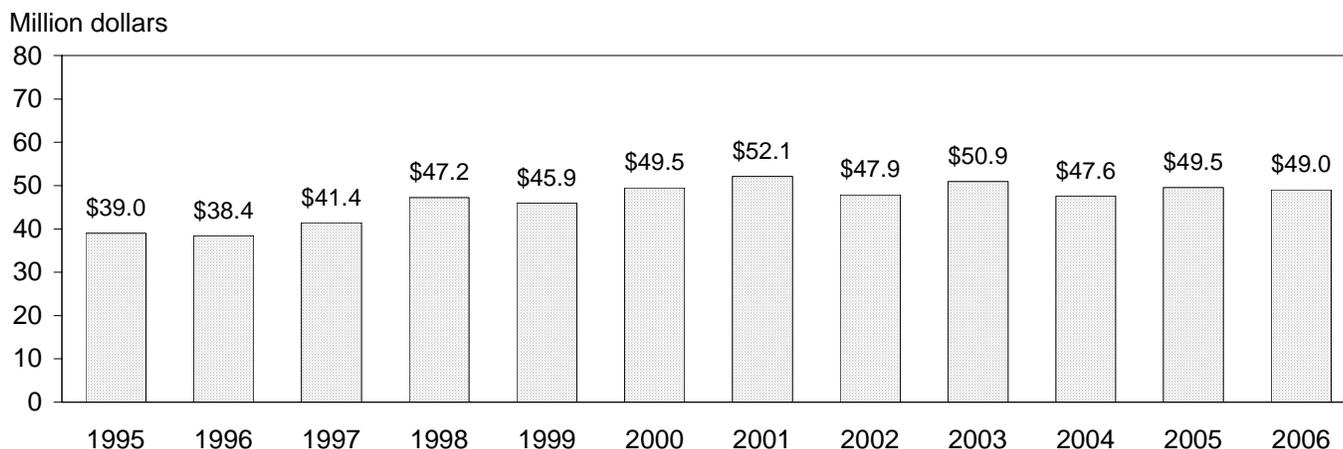


## FLORICULTURE AND NURSERY PRODUCTS: Out-of-State sales, State of Hawaii, 2002-2006<sup>1</sup>

Commodity	2002	2003	2004	2005	2006
<i>1,000 dollars</i>					
Anthuriums, cut	7,700	8,500	6,475	6,210	<b>7,070</b>
Birds of Paradise	840	700	540	530	<b>510</b>
Cymbidiums, cut	140	140	135	140	<b>135</b>
Dendrobiums, sprays	3,400	3,600	3,900	3,900	<b>3,100</b>
Oncidiums, sprays	500	610	505	470	<b>580</b>
Foliage, cut:					
Ti leaves	680	840	640	650	<b>700</b>
Other cut greens	1,520	1,600	1,400	1,200	<b>1,400</b>
Foliage, potted	10,700	11,000	11,300	13,200	<b>11,600</b>
Ginger, red	600	645	810	680	<b>630</b>
Ginger, other	490	540	670	550	<b>520</b>
Heliconias	1,040	1,200	1,200	1,000	<b>1,100</b>
Potted orchids:					
Dendrobiums	4,510	4,590	4,645	4,335	<b>3,760</b>
Oncidiums			2,775	2,430	<b>1,250</b>
Phalaenopsis	750	930	765	530	<b>480</b>
Other potted orchids	9,130	9,730	5,610	7,805	<b>9,285</b>
Proteas	1,620	1,800	1,715	2,000	<b>1,900</b>
Mixed assortment of cut flowers	1,240	1,730	1,100	1,600	<b>2,900</b>
All other flowers and nursery products	3,010	2,785	3,400	2,300	<b>2,100</b>
<b>Total</b>	<b>47,870</b>	<b>50,940</b>	<b>47,585</b>	<b>49,530</b>	<b>49,020</b>

<sup>1</sup> Based on F.O.B. island value. Includes both wholesale and retail sales. Does not include sales of cut flowers, potted plants, leis, etc., purchased within the State and hand carried out.

## FLORICULTURE & NURSERY PRODUCTS: Out-of-State Sales, State of Hawaii, 1995-2006<sup>1</sup>



<sup>1</sup> Includes wholesale and retail sales.



## 2006 FRUIT HIGHLIGHTS



Total value for Hawaii fruit growers fell 3 percent to \$101.7 million, with guava, lemon, papaya, pineapple, and the tropical specialty group recording declines in value of sales. Fruit acreage totaled 19,740 acres, a 2 percent decrease from 2005. Almost continuous rainfall from late February through March contributed to losses in some crops due to soil erosion, flooding, disease outbreaks, and fruit and tree losses. The lengthy rainy period slowed fruit maturation in some crops.

### ◆ **Banana**

Total banana acreage rose 5 percent in 2006 while harvested acreage increased 2 percent to 1,000 acres. Utilized production was pegged at 20.0 million pounds, 4 percent less than 2005. However, higher average prices helped push total value of sales to \$9.8 million, 7 percent higher than the previous year.

### ◆ **Guava**

Total guava production area declined 14 percent to 575 acres in 2006 while area harvested declined 41 percent to 365 acres. Value of sales declined 7 percent to \$1.1 million. Hawaii's guavas, which are mainly for the processed market, recorded a 2

percent increase in price. However, this was not enough to offset the 9 percent lower output.

### ◆ **Papaya**

The State's papaya producers devoted 2,095 acres toward papaya production, a decrease of 13 percent from the previous year. Harvested area totaled 1,530 acres, 3 percent more than 2005. Papaya output declined 13 percent to 28.7 million pounds while value of sales dropped 2 percent to \$11.0 million.

### ◆ **Pineapple**

Still Hawaii's largest fruit commodity, pineapple represented 71 percent of total fruit acreage and 74 percent of the total fruit value. Total utilized pineapple production fell 11 percent to 376 million pounds (188,000 tons). Since records were kept by the Hawaii Field Office, 2006 was the first year fresh market utilization outweighed processed utilization. Also establishing a record was the average farm price. In late 2006, operations ended prematurely for one major company which had previously announced their phase-out of pineapple production.

### ◆ **Tropical Specialty Fruit**

Area devoted to tropical specialty fruit totaled 1,240 acres in 2006, 2 percent less than 2005. Area harvested totaled 690 acres, 5 percent lower than the previous year. Hawaii's growers of tropical specialty fruit produced and sold an estimated 1.45 million pounds of fruit in 2006, relatively unchanged from 2005. Compared with 2005, higher output was registered for longan, lychee, mango, and persimmon. Value of sales was pegged at \$2.6 million in 2006, 4 percent lower than 2005.

# MARKET SUPPLY: FRESH FRUITS



## MARKET SUPPLY: Fresh market fruits, State of Hawaii, 2002-2006<sup>1 2</sup>

Commodity		2002	2003	2004	2005	2006	Hawaii market share 2006
----- 1,000 pounds -----							Percent
Apples:	Inshipments	14,672	13,448	13,392	15,320	<b>15,431</b>	
Avocados:	Inshipments	1,292	1,579	1,780	2,130	<b>2,349</b>	
	Hawaii	700	760	740	800	<b>880</b>	<b>27</b>
Bananas:	Inshipments	8,377	8,297	13,929	13,017	<b>15,408</b>	
	Hawaii	20,000	22,500	16,500	20,900	<b>20,000</b>	<b>56</b>
Cantaloupe melons:	Inshipments	7,293	7,225	6,149	7,658	<b>7,736</b>	
	Hawaii <sup>3</sup>						
Grapefruit:	Inshipments	1,906	1,693	1,719	1,488	<b>1,561</b>	
	Hawaii	<sub>3</sub>	<sub>3</sub>	<sub>3</sub>	40	<b>50</b>	<b>3</b>
Grapes:	Inshipments	8,681	7,580	8,360	9,831	<b>9,506</b>	
Honeydew melons:	Inshipments	2,629	2,488	2,773	2,570	<b>3,813</b>	
	Hawaii <sup>3</sup>						
Lemons:	Inshipments	3,755	3,841	3,915	4,196	<b>4,154</b>	
	Hawaii	<sub>3</sub>	<sub>3</sub>	<sub>3</sub>	54	<b>45</b>	<b>1</b>
Limes:	Inshipments	1,241	1,365	1,456	1,678	<b>1,749</b>	
	Hawaii	<sub>3</sub>	<sub>3</sub>	<sub>3</sub>	59	<b>125</b>	<b>7</b>
Nectarines:	Inshipments	2,489	2,264	2,593	2,260	<b>2,219</b>	
Oranges:	Inshipments	13,336	14,069	13,683	15,740	<b>14,824</b>	
	Hawaii <sup>3</sup>						
Papayas:	Inshipments		<sub>3</sub>	<sub>3</sub>	<sub>3</sub>	<sub>3</sub>	
	Hawaii <sup>4</sup>	21,490	21,965	20,400	18,755	<b>16,740</b>	
Pears:	Inshipments	4,956	4,397	5,109	3,971	<b>4,873</b>	
Pineapples:	Hawaii	37,200	31,700	30,900	<sup>5</sup>	<sup>5</sup>	
Tangerines:	Inshipments	854	1,198	902	1,254	<b>1,893</b>	
	Hawaii	<sub>3</sub>	<sub>3</sub>	<sub>3</sub>	51	<b>90</b>	<b>5</b>
Watermelons:	Inshipments	2,820	2,602	3,165	3,946	<b>5,174</b>	
	Hawaii	11,300	11,900	10,100	11,300	<b>10,400</b>	<b>67</b>
All other fruits:	Inshipments	12,657	14,580	13,148	15,507	<b>16,382</b>	
	Hawaii	9,907	7,513	4,697	5,601	<b>7,621</b>	<b>32</b>
Unspecified fruits:	Inshipments <sup>6</sup>	6,112	5,850	8,362	7,391	<b>9,817</b>	
Total:	Inshipments	93,070	92,476	100,435	107,957	<b>116,889</b>	
	Hawaii	100,597	96,338	73,337	57,560	<b>55,951</b>	<b>32</b>
	All	193,667	188,814	173,772	165,517	<b>172,840</b>	

<sup>1</sup> Excludes pineapples, guavas, papayas, and passion fruit used for processing, and quantities shipped out-of-State.

<sup>2</sup> Inshipment data was provided by the Market Analysis and News Branch of the State Department of Agriculture.

<sup>3</sup> Data not shown separately to avoid disclosure of individual operations but combined and included with "All other fruits".

<sup>4</sup> Fresh intrastate sales only. Excludes mainland and foreign fresh sales.

<sup>5</sup> Data not available.

<sup>6</sup> Fruit data received without commodity names specified.



# TROPICAL SPECIALTY FRUITS

## TROPICAL SPECIALTY FRUITS: Number of farms, acreage, number of trees, production, price, and value, State of Hawaii, 2002-2006 <sup>1</sup>

Crop	Farms <sup>2</sup>	Acreage		Number of trees		Utilized production <sup>3</sup>	Farm price <sup>3 4</sup>	Value of sales
		In crop	Harvested	Total	Bearing			
	<i>Number</i>	<i>----- Acres -----</i>				<i>1,000 pounds</i>	<i>Dollars per pound</i>	<i>1,000 dollars</i>
<b>Atemoya <sup>5</sup></b>								
2002								
2003								
2004	25	15	10	600	500	5	1.40	7
2005	20	15	5	800	200	17	1.35	23
<b>2006</b>	<b>25</b>	<b>10</b>	<b>5</b>	<b>400</b>	<b>300</b>	<b>13</b>	<b>1.31</b>	<b>17</b>
<b>Longan</b>								
2002	40	120	35	6,600	1,900	46	3.20	147
2003	65	145	75	7,300	3,300	114	3.33	380
2004	65	210	75	8,700	3,500	121	3.41	413
2005	65	185	85	8,700	4,000	141	3.09	436
<b>2006</b>	<b>65</b>	<b>155</b>	<b>75</b>	<b>7,000</b>	<b>3,500</b>	<b>190</b>	<b>3.46</b>	<b>657</b>
<b>Lychee</b>								
2002	90	330	95	15,500	5,000	77	2.64	203
2003	110	370	80	16,500	3,200	88	2.84	250
2004	125	260	115	11,200	5,500	102	2.42	247
2005	125	310	185	9,900	5,400	117	2.66	311
<b>2006</b>	<b>120</b>	<b>285</b>	<b>120</b>	<b>10,700</b>	<b>4,600</b>	<b>154</b>	<b>2.94</b>	<b>453</b>
<b>Mango</b>								
2002	80	260	200	10,700	7,100	377	.92	348
2003	85	260	200	10,700	7,400	481	.86	414
2004	110	270	195	10,200	7,700	391	.92	358
2005	100	300	190	14,000	8,900	531	1.11	589
<b>2006</b>	<b>100</b>	<b>350</b>	<b>255</b>	<b>12,700</b>	<b>9,700</b>	<b>699</b>	<b>1.10</b>	<b>769</b>
<b>Persimmon <sup>5</sup></b>								
2002								
2003								
2004	20	20	15	1,400	1,100	49	1.57	77
2005	20	25	20	1,400	1,200	51	1.63	83
<b>2006</b>	<b>20</b>	<b>25</b>	<b>25</b>	<b>1,700</b>	<b>1,600</b>	<b>90</b>	<b>1.57</b>	<b>141</b>
<b>Rambutan</b>								
2002	55	270	145	13,200	6,800	257	3.01	773
2003	60	270	185	12,900	8,500	306	2.73	834
2004	75	285	185	12,500	8,300	278	2.60	723
2005	65	250	175	11,100	7,900	395	2.51	990
<b>2006</b>	<b>60</b>	<b>250</b>	<b>140</b>	<b>11,100</b>	<b>6,300</b>	<b>106</b>	<b>2.75</b>	<b>292</b>
<b>Starfruit</b>								
2002	50	25	15	2,100	1,800	63	1.51	95
2003	50	30	7	2,700	800	24	1.58	38
2004 <sup>6</sup>								
2005 <sup>6</sup>								
<b>2006 <sup>6</sup></b>								

See footnotes at end of table.

Continued

## TROPICAL SPECIALTY FRUITS: Number of farms, acreage, number of trees, production, price, and value, State of Hawaii, 2002-2006<sup>1</sup> -- Continued

Crop	Farms <sup>2</sup>	Acreage		Number of trees		Utilized production <sup>3</sup>	Farm price <sup>3,4</sup>	Value of sales
		In crop	Harvested	Total	Bearing			
	<i>Number</i>	<i>----- Acres -----</i>				<i>1,000 pounds</i>	<i>Dollars per pound</i>	<i>1,000 dollars</i>
<b>Other</b>								
2002	--	165	70	10,900	4,800	142	--	194
2003	--	185	53	15,300	4,600	141	--	212
2004	--	160	45	7	7	95	--	120
2005	--	185	70	7	7	204	--	298
<b>2006</b>	<b>--</b>	<b>165</b>	<b>70</b>	<b>7</b>	<b>7</b>	<b>200</b>	<b>--</b>	<b>284</b>
<b>Total</b>								
2002	160	1,170	560	59,000	27,400	962	--	1,760
2003	170	1,260	600	65,400	27,800	1,154	--	2,128
2004	220	1,220	640	7	7	1,041	--	1,945
2005	265	1,270	730	7	7	1,456	--	2,730
<b>2006</b>	<b>265</b>	<b>1,240</b>	<b>690</b>	<b>7</b>	<b>7</b>	<b>1,452</b>	<b>--</b>	<b>2,613</b>

-- = Not applicable. <sup>1</sup> Tropical specialty fruits include: abiu, atemoya, breadfruit, caimito, canistel, cherimoya, durian, jaboticaba, jackfruit, langsat, longan, loquat, lychee, mango, mangosteen, persimmon, poha, rambutan, rollina, sapodilla, soursop, starfruit, white sapote, and other fruits. If not shown separately, then combined and included in "Other" category. <sup>2</sup> A farm may grow more than one type of fruit. Total farms is an unduplicated count; excludes home use. <sup>3</sup> Includes fresh and processed utilization when applicable. <sup>4</sup> Beginning 2001, price shown reflects average prices received as sold by farmers (loose, packed, etc.), excluding any value added through processing. Prior to 2001, prices for fresh sales were adjusted to prepacked equivalent. <sup>5</sup> Prior to 2004, included with "Other". <sup>6</sup> Data not shown separately to avoid disclosure of individual operations but combined and included with "Other". <sup>7</sup> Beginning 2004, data series discontinued.

**PINEAPPLES: Number of farms, acreage, production, disposition, price, and value, State of Hawaii, 2002-2006**

Year	Farms <sup>1</sup>	Acreage used for crop	Production (fresh weight)	Disposition		Farm price		Value of production (fresh weight)
				Processed (fresh weight)	Fresh market	Processed <sup>2</sup>	Fresh market <sup>3</sup>	
	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 tons</i>			<i>Dollars per ton</i>		<i>1,000 dollars</i>
2002	25	19.1	320	203	117	136	624	100,616
2003	25	16.0	300	170	130	135	604	101,470
2004	30	13.0	220	116	104	148	634	83,104
2005	30	14.0	212	106	106	148	600	79,288
<b>2006</b>	<b>30</b>	<b>13.9</b>	<b>188</b>	<b>89</b>	<b>99</b>	<b>148</b>	<b>630</b>	<b>75,542</b>

<sup>1</sup> Includes large and small pineapple growers statewide.

<sup>2</sup> Estimate to reflect value of fresh fruit delivered processing plant door based on average contract prices of independent growers.

<sup>3</sup> Estimate to reflect value at wholesale establishments for local sales and shipper dock for mainland and foreign sales.

**PINEAPPLES: Fresh market sales, processed value, and total value, State of Hawaii, 2002-2006**

Year	Fresh market sales <sup>1</sup>		Processor value of canned fruit and juice production <sup>3</sup>	Total value: Fresh market and processed <sup>4</sup>
	Quantity	Value <sup>2</sup>		
	<i>1,000 tons</i>	<i>Million dollars</i>		
2002	117	73.0	71.0	144.0
2003	130	78.5	64.4	142.9
2004	104	65.9	57.3	123.2
2005	106	63.6	49.8 <sub>5</sub>	113.4 <sub>5</sub>
<b>2006</b>	<b>99</b>	<b>62.4</b>		

<sup>1</sup> Includes "fresh cut".

<sup>2</sup> Prior to 2005, value FAS shipping point for outshipments, delivered wholesalers local sales.

<sup>3</sup> Value of canned fruit and juices and by-product shipped out-of-State and sold within State.

<sup>4</sup> Prior to 2004, source Pineapple Growers Association of Hawaii.

<sup>5</sup> Data not available.

**PINEAPPLES: Outshipments of fresh pineapples, State of Hawaii, 2002-2006**

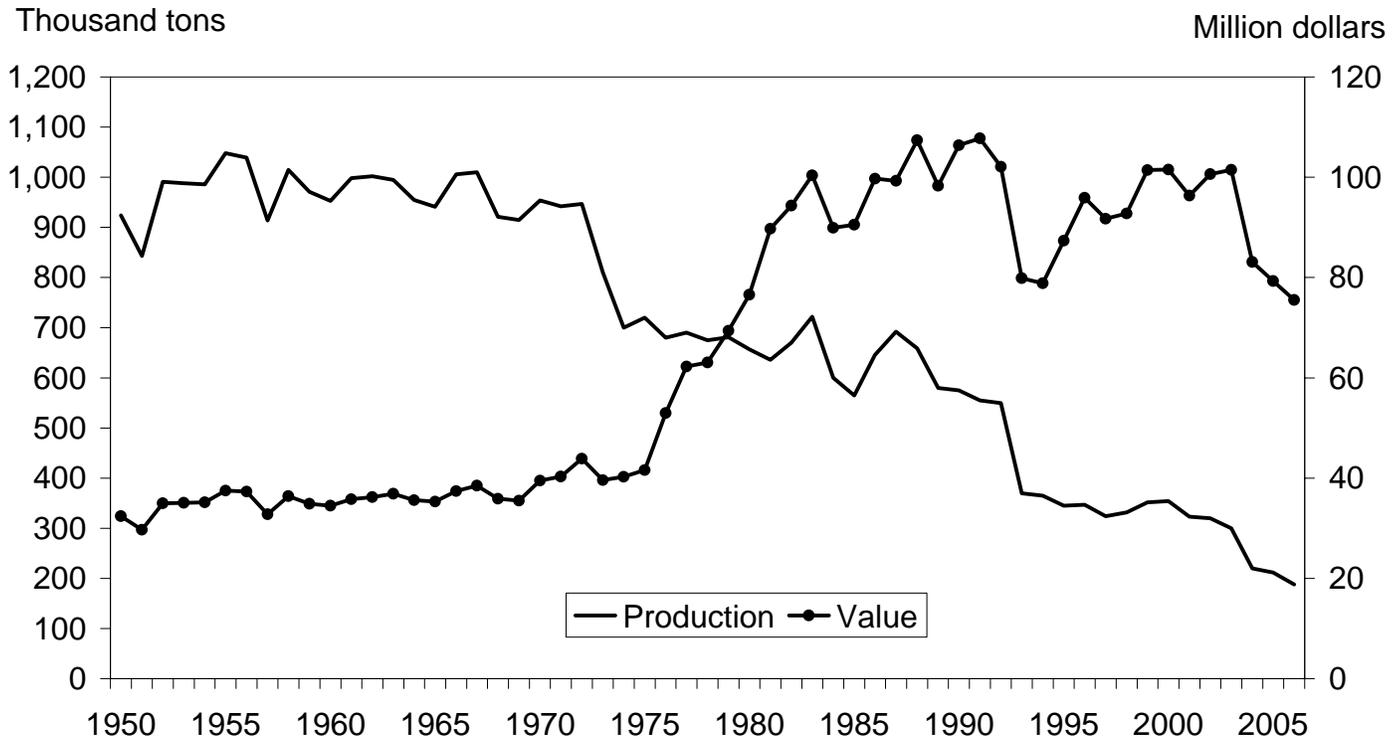
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
	<i>1,000 Pounds</i>												
2002	14,978	11,978	16,610	16,898	20,524	20,126	20,448	13,534	14,044	15,032	16,997	15,574	196,744
2003	13,692	13,142	20,374	19,963	21,637	20,434	24,650	22,079	15,024	15,477	22,131	19,712	228,315
2004	14,248	18,579	14,840	11,483	13,574	12,936	20,418	10,917	12,045	17,518	13,616	16,889	177,063
2005 <sup>1</sup>													
<b>2006<sup>1</sup></b>													

<sup>1</sup> Data not available.

Source of outshipment data: Market Analysis and News Branch of the State Department of Agriculture.



## PINEAPPLES: Production and Value, State of Hawaii, 1950-2006



## AVOCADOS: Number of farms, acreage, yield, production, price, and value, State of Hawaii, 2002-2006

Year	Farms <i>Number</i>	Acreage <sup>1</sup>		Yield per acre <sup>2</sup> <i>1,000 pounds</i>	Production	Farm price <i>Cents per pound</i>	Value of sales <i>1,000 dollars</i>
		In crop <i>Acres</i>	Bearing				
2002	140	370	250	2.8	700	56.0	392
2003	150	390	300	2.5	760	62.0	471
2004	150	380	270	2.7	740	63.0	466
2005	175	390	300	2.7	800	66.0	528
<b>2006</b>	<b>225</b>	<b>380</b>	<b>280</b>	<b>3.1</b>	<b>880</b>	<b>68.0</b>	<b>598</b>

<sup>1</sup> At end of year.

<sup>2</sup> Production divided by bearing acreage.

**BANANAS: Number of farms, acreage, yield, production, price, and value,  
by county, 2002-2006**

Year	Farms	Acreage		Yield per acre <sup>2</sup>	Utilized production	Farm price	Value of sales
		In crop <sup>1</sup>	Harvested				
	<i>Number</i>	<i>----- Acres -----</i>		<i>----- 1,000 pounds -----</i>		<i>Cents per pound</i>	<i>1,000 dollars</i>
<b>State<sup>3</sup></b>							
2002	220	1,510	1,330	15.0	20,000	43.0	8,600
2003	230	1,560	1,350	16.7	22,500	41.0	9,225
2004	210	1,360	1,000	16.5	16,500	49.0	8,085
2005	190	1,145	980	21.3	20,900	43.9	9,175
<b>2006</b>	<b>200</b>	<b>1,200</b>	<b>1,000</b>	<b>20.0</b>	<b>20,000</b>	<b>49.0</b>	<b>9,800</b>
<b>County:</b>							
<b>Hawaii</b>							
2002	55	825	740	20.7	15,300	42.0	6,431
2003 <sup>4</sup>							
2004 <sup>4</sup>							
2005 <sup>4</sup>							
<b>2006<sup>4</sup></b>							
<b>Honolulu</b>							
2002	75	500	450	7.6	3,400	44.0	1,502
2003 <sup>4</sup>							
2004 <sup>4</sup>							
2005 <sup>4</sup>							
<b>2006<sup>4</sup></b>							
<b>Kauai</b>							
2002	50	90	70	9.3	650	45.0	293
2003 <sup>4</sup>							
2004 <sup>4</sup>							
2005 <sup>4</sup>							
<b>2006<sup>4</sup></b>							
<b>Maui</b>							
2002	40	95	70	9.3	650	57.5	374
2003 <sup>4</sup>							
2004 <sup>4</sup>							
2005 <sup>4</sup>							
<b>2006<sup>4</sup></b>							

<sup>1</sup> Beginning 2003, total acreage reflects calendar (January-December) year. Prior years, total acreage measured as of February in the following year, i.e., acreage data for 2002 is as of February 1, 2003.

<sup>2</sup> Utilized production divided by acreage harvested.

<sup>3</sup> Sum of county estimates may not add to State total due to rounding.

<sup>4</sup> Data not available.

## BANANAS: Production, acreage, and price, State of Hawaii, 2002-2006

Year	Fresh utilization <sup>1</sup>													Acreage	
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average	In crop	Harvested
----- 1,000 pounds -----													----- Acres -----		
<b>All Bananas</b>															
2002	1,480	1,355	1,500	1,450	1,525	1,855	1,780	2,065	1,745	1,770	1,685	1,790	20,000	1,510	1,330
2003	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	22,500	1,560	1,350
2004	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	16,500	1,360	1,000
2005	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	20,900	1,145	980
<b>2006</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>20,000</b>	<b>1,200</b>	<b>1,000</b>
<b>Hawaii Apple<sup>3</sup></b>															
2002	520	475	520	475	510	510	555	485	485	495	465	505	6,000	770	630
2003	<sup>2</sup>														
2004	<sup>2</sup>														
2005	<sup>2</sup>														
<b>2006</b>	<b>2</b>														
<b>Cavendish and others<sup>4</sup></b>															
2002	960	880	980	975	1,015	1,345	1,225	1,580	1,260	1,275	1,220	1,285	14,000	740	700
2003	<sup>2</sup>														
2004	<sup>2</sup>														
2005	<sup>2</sup>														
<b>2006</b>	<b>2</b>														

### Farm price for fresh market

*Cents per pound*

<b>All Bananas<sup>5</sup></b>													
2002	43.0	45.0	45.0	44.5	46.0	42.5	41.5	39.0	41.5	43.5	43.5	42.5	43.0
2003	<sup>2</sup>	41.0											
2004	<sup>2</sup>	49.0											
2005	<sup>2</sup>	43.9											
<b>2006</b>	<b>2</b>	<b>49.0</b>											
<b>Hawaii Apple<sup>3</sup></b>													
2002	49.5	50.5	49.5	49.0	50.5	51.0	51.0	50.5	51.5	51.5	51.5	49.5	50.5
2003	<sup>2</sup>												
2004	<sup>2</sup>												
2005	<sup>2</sup>												
<b>2006</b>	<b>2</b>												
<b>Cavendish<sup>6</sup></b>													
2002	39.5	41.5	42.5	42.5	43.5	39.5	37.0	35.5	38.0	40.5	40.0	40.0	39.5
2003	<sup>2</sup>												
2004	<sup>2</sup>												
2005	<sup>2</sup>												
<b>2006</b>	<b>2</b>												

<sup>1</sup> Monthly production rounded to the nearest 5,000 pounds beginning 2001. <sup>2</sup> Data not available. <sup>3</sup> Includes Dwarf Hawaii Apple and Apple bananas, formerly called Brazilian. <sup>4</sup> Includes Chinese, Williams, Valery, Grand Nain, Bluefields, Dwarf Bluefields, and other bananas. <sup>5</sup> Includes Bluefields, Dwarf Bluefields, and other bananas. <sup>6</sup> Includes Chinese, Williams, Valery, and Grand Nain.

**PAPAYAS: Number of farms, acreage, yield, utilization, price, and value, by county, 2002-2006**

Year	Farms	Acreage <sup>1</sup>		Yield per acre <sup>2</sup>	Utilized production	Utilization		Price per pound			Value of utilized production
		In crop	Harvested			Fresh	Processed	Fresh	Processed <sup>3</sup>	All	
<i>Number</i>		<i>Acres</i>		<i>1,000 pounds</i>		<i>Cents</i>			<i>1,000 dollars</i>		
<b>State<sup>4</sup></b>											
2002	164	2,320	1,720	26.7	45,900	42,700	3,200	27.7	3.0	26.0	11,924
2003	163	2,240	1,565	27.2	42,600	40,800	1,800	31.9	3.0	30.7	13,069
2004	207	2,105	1,235	29.0	35,800	34,100	1,700	36.1	3.0	34.5	12,361
2005	207	2,395	1,480	22.2	32,900	30,700	2,200	36.4	3.0	34.2	11,241
<b>2006</b>	<b>170</b>	<b>2,095</b>	<b>1,530</b>	<b>18.8</b>	<b>28,700</b>	<b>26,600</b>	<b>2,100</b>	<b>41.3</b>	<b>3.0</b>	<b>38.5</b>	<b>11,049</b>
<b>County:</b>											
<b>Hawaii</b>											
2002	122	2,050	1,540	25.4	39,080	35,880	<sup>5</sup> 3,200	25.2		23.4	9,135
2003	124	2,000	1,420	26.4	37,535	35,735	<sup>5</sup> 1,800	30.8		29.4	11,045
2004	141	1,910	1,080	29.3	31,695	29,995	<sup>5</sup> 1,700	35.2		33.5	10,611
2005	154	2,170	1,315	22.1	29,110	26,910	<sup>5</sup> 2,200	35.1		32.7	9,521
<b>2006</b>	<b>125</b>	<b>1,905</b>	<b>1,395</b>	<b>18.8</b>	<b>26,190</b>	<b>24,090</b>	<b><sup>5</sup>2,100</b>	<b>40.0</b>		<b>37.0</b>	<b>9,692</b>
<b>Honolulu</b>											
2002	21	155	110	45.5	5,005	5,005	<sup>5</sup>	40.0		40.0	2,002
2003	17	120	80	45.0	3,600	3,600	<sup>5</sup>	39.8		39.8	1,433
2004	27	95	90	29.2	2,630	2,630	<sup>5</sup>	44.0		44.0	1,157
2005	30	130	105	21.4	2,250	2,250	<sup>5</sup>	44.2		44.2	995
<b>2006</b>	<b><sup>6</sup>45</b>	<b><sup>6</sup>190</b>	<b><sup>6</sup>135</b>	<b><sup>6</sup>18.6</b>	<b><sup>6</sup>2,510</b>	<b><sup>6</sup>2,510</b>	<b><sup>5</sup></b>	<b><sup>6</sup>54.1</b>		<b><sup>6</sup>54.1</b>	<b><sup>6</sup>1,357</b>
<b>Kauai</b>											
2002	13	70	50	22.2	1,110	1,110	<sup>5</sup>	<sup>7</sup> 43.4		<sup>7</sup> 43.4	<sup>7</sup> 787
2003	15	55	35	18.3	640	640	<sup>5</sup>	<sup>7</sup> 40.3		<sup>7</sup> 40.3	<sup>7</sup> 591
2004	19	40	30	18.0	540	540	<sup>5</sup>	<sup>7</sup> 40.2		<sup>7</sup> 40.2	<sup>7</sup> 593
2005	11	35	25	18.4	460	460	<sup>5</sup>	<sup>7</sup> 47.1		<sup>7</sup> 47.1	<sup>7</sup> 725
<b>2006</b>	<b><sup>6</sup></b>	<b><sup>6</sup></b>	<b><sup>6</sup></b>	<b><sup>6</sup></b>	<b><sup>6</sup></b>	<b><sup>6</sup></b>	<b><sup>5</sup></b>	<b><sup>6</sup></b>		<b><sup>6</sup></b>	<b><sup>6</sup></b>
<b>Maui</b>											
2002	8	45	20	35.3	705	705	<sup>5</sup>	<sup>7</sup>		<sup>7</sup>	<sup>7</sup>
2003	7	65	30	27.5	825	825	<sup>5</sup>	<sup>7</sup>		<sup>7</sup>	<sup>7</sup>
2004	20	60	35	26.7	935	935	<sup>5</sup>	<sup>7</sup>		<sup>7</sup>	<sup>7</sup>
2005	12	60	35	30.9	1,080	1,080	<sup>5</sup>	<sup>7</sup>		<sup>7</sup>	<sup>7</sup>
<b>2006</b>	<b><sup>6</sup></b>	<b><sup>6</sup></b>	<b><sup>6</sup></b>	<b><sup>6</sup></b>	<b><sup>6</sup></b>	<b><sup>6</sup></b>	<b><sup>5</sup></b>	<b><sup>6</sup></b>		<b><sup>6</sup></b>	<b><sup>6</sup></b>

<sup>1</sup> Average of monthly estimates.

<sup>2</sup> Utilized production divided by acreage harvested.

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

<sup>4</sup> Sum of county estimates may not add to State total due to rounding.

<sup>5</sup> Maui, Kauai, and Honolulu combined with Hawaii to avoid disclosure of individual operations.

<sup>6</sup> Maui and Kauai combined with Honolulu to avoid disclosure of individual operations.

<sup>7</sup> Maui combined with Kauai to avoid disclosure of individual operations.

**PAPAYAS: Acreage, utilization, outshipments, and price, State of Hawaii, 2002-2006**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
<b>Harvested acres <sup>1</sup></b>													
2002	1,830	1,925	1,930	1,935	1,935	1,725	1,680	1,610	1,500	1,500	1,490	1,580	1,720
2003	1,505	1,510	1,515	1,735	1,740	1,575	1,565	1,565	1,565	1,575	1,580	1,350	1,565
2004	1,340	1,345	1,160	1,160	1,160	1,055	1,060	1,050	1,370	1,365	1,360	1,400	1,235
2005	1,410	1,410	1,435	1,440	1,440	1,580	1,570	1,435	1,445	1,415	1,405	1,780	1,480
<b>2006</b>	<b>1,790</b>	<b>1,795</b>	<b>1,785</b>	<b>1,785</b>	<b>1,760</b>	<b>1,510</b>	<b>1,510</b>	<b>1,330</b>	<b>1,325</b>	<b>1,320</b>	<b>1,315</b>	<b>1,135</b>	<b>1,530</b>
<b>Utilization (fresh and processed) – 1,000 pounds</b>													
2002	3,445	3,450	3,540	3,320	3,615	3,620	4,245	4,655	3,705	4,165	4,285	3,855	45,900
2003	4,040	3,840	4,320	3,575	3,115	3,095	3,640	3,585	3,380	3,590	3,285	3,135	42,600
2004	3,690	2,870	2,930	2,725	2,670	3,135	2,915	2,715	2,845	3,425	2,850	3,030	35,800
2005	2,810	2,645	2,875	2,815	3,000	2,740	2,945	2,540	2,810	2,935	2,135	2,650	32,900
<b>2006</b>	<b>3,145</b>	<b>2,370</b>	<b>2,340</b>	<b>1,880</b>	<b>2,020</b>	<b>2,380</b>	<b>1,905</b>	<b>2,340</b>	<b>2,855</b>	<b>2,390</b>	<b>2,665</b>	<b>2,410</b>	<b>28,700</b>
<b>Total fresh papaya utilization – 1,000 pounds</b>													
2002	3,345	3,310	3,375	2,995	3,210	3,285	3,915	3,745	3,585	4,035	4,135	3,765	42,700
2003	3,935	3,735	4,215	3,485	3,040	3,030	3,425	3,240	3,025	3,450	3,105	3,115	40,800
2004	3,560	2,775	2,815	2,630	2,460	2,920	2,750	2,630	2,725	3,225	2,650	2,960	34,100
2005	2,580	2,425	2,715	2,700	2,740	2,595	2,745	2,360	2,665	2,605	2,020	2,550	30,700
<b>2006</b>	<b>2,920</b>	<b>2,240</b>	<b>2,210</b>	<b>1,725</b>	<b>1,785</b>	<b>2,095</b>	<b>1,705</b>	<b>2,215</b>	<b>2,615</b>	<b>2,185</b>	<b>2,605</b>	<b>2,300</b>	<b>26,600</b>
<b>Intrastate fresh papaya utilization – 1,000 pounds</b>													
2002	1,860	1,670	1,885	1,655	1,770	1,825	1,795	1,735	1,665	1,990	1,885	1,755	21,490
2003	1,765	1,745	1,990	1,965	1,725	1,655	1,915	1,910	1,495	2,040	1,895	1,865	21,965
2004	2,130	1,595	1,710	1,585	1,475	1,725	1,640	1,525	1,570	2,045	1,560	1,840	20,400
2005	1,545	1,510	1,780	1,680	1,525	1,590	1,625	1,455	1,575	1,630	1,295	1,545	18,755
<b>2006</b>	<b>1,730</b>	<b>1,450</b>	<b>1,315</b>	<b>1,065</b>	<b>1,120</b>	<b>1,285</b>	<b>1,050</b>	<b>1,400</b>	<b>1,730</b>	<b>1,375</b>	<b>1,705</b>	<b>1,515</b>	<b>16,740</b>
<b>Outshipments of fresh papaya – 1,000 pounds</b>													
2002	1,485	1,640	1,490	1,340	1,440	1,460	2,120	2,010	1,920	2,045	2,250	2,010	21,210
2003	2,170	1,990	2,225	1,520	1,315	1,375	1,510	1,330	1,530	1,410	1,210	1,250	18,835
2004	1,430	1,180	1,105	1,045	985	1,195	1,110	1,105	1,155	1,180	1,090	1,120	13,700
2005	1,035	915	935	1,020	1,215	1,005	1,120	905	1,090	975	725	1,005	11,945
<b>2006</b>	<b>1,190</b>	<b>790</b>	<b>895</b>	<b>660</b>	<b>665</b>	<b>810</b>	<b>655</b>	<b>815</b>	<b>885</b>	<b>810</b>	<b>900</b>	<b>785</b>	<b>9,860</b>
<b>Farm price for fresh market sales (to all markets) – cents per pound</b>													
2002	29.4	29.5	28.3	30.2	30.4	28.3	27.9	27.5	26.9	24.9	25.3	26.1	27.7
2003	30.7	32.6	32.8	34.1	33.8	35.0	31.8	30.1	31.1	31.6	29.6	30.8	31.9
2004	31.0	31.2	37.4	40.0	41.0	39.5	37.2	36.6	37.2	35.8	34.3	33.4	36.1
2005	33.0	37.4	40.0	37.6	37.0	37.2	36.2	36.5	34.3	33.2	37.1	36.9	36.4
<b>2006</b>	<b>34.1</b>	<b>36.5</b>	<b>42.1</b>	<b>46.3</b>	<b>51.5</b>	<b>47.1</b>	<b>47.0</b>	<b>48.1</b>	<b>38.6</b>	<b>38.1</b>	<b>38.3</b>	<b>36.4</b>	<b>41.3</b>

<sup>1</sup> Total is average of monthly data.

**GUAVAS: Number of farms, acreage, farm production, price, and value, by county, 2002-2006**

Year	Farm production					
	Farms	Acreage		Utilized production	Farm price <sup>2</sup>	Value of sales
		In crop <sup>1</sup>	Harvested			
	<i>Number</i>	<i>----- Acres -----</i>		<i>1,000 pounds</i>	<i>Cents per pound</i>	<i>1,000 dollars</i>
<b>State</b>						
2002	85	640	550	9,700	15.0	1,455
2003	75	610	530	6,700	13.8	925
2004	75	610	525	8,100	14.4	1,166
2005	55	665	620	8,100	13.9	1,126
<b>2006</b>	<b>50</b>	<b>575</b>	<b>365</b>	<b>7,400</b>	<b>14.2</b>	<b>1,051</b>
<b>County:</b>						
<b>Hawaii</b>						
2002	80	200	110	3	3	3
2003	65	160	85	3	3	3
2004	65	160	<sup>4</sup> 85	3	3	3
2005	45	215	175	3	3	3
<b>2006</b>	<b>40</b>	<b>125</b>	<b>100</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>Honolulu/Kauai/Maui<sup>5</sup></b>						
2002	5	440	440	3	3	3
2003	10	450	445	3	3	3
2004	10	450	440	3	3	3
2005	10	450	445	3	3	3
<b>2006</b>	<b>10</b>	<b>450</b>	<b>265</b>	<b>3</b>	<b>3</b>	<b>3</b>

<sup>1</sup> Includes planting intentions for year 2001-2002.

<sup>2</sup> State average grower price. Equivalent F.O.B. plant, county of production.

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

<sup>4</sup> Revised.

<sup>5</sup> Kauai and Maui combined with Honolulu to avoid disclosure of individual operations.

**GUAVAS: Farm production, State of Hawaii, 2002-2006**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
<i>1,000 pounds</i>													
2002	693	507	425	525	514	1,016	497	228	832	1,868	1,820	775	9,700
2003	240	292	904	508	433	587	639	395	1,041	764	640	257	6,700
2004	211	310	359	398	405	271	477	1,457	1,985	1,111	550	566	8,100
2005	246	233	198	256	371	498	665	756	1,318	1,746	901	912	8,100
<b>2006</b>	<b>202</b>	<b>164</b>	<b>162</b>	<b>188</b>	<b>227</b>	<b>429</b>	<b>625</b>	<b>802</b>	<b>1,272</b>	<b>1,570</b>	<b>934</b>	<b>825</b>	<b>7,400</b>



### ◆ Vegetables and Melons

The farm value of Hawaii's vegetables and melons is estimated at a record high \$60.2 million in 2006, up 11 percent from the previous record high set in 2005. Production was up fractionally, but an overall increase in farm prices ensured 2006's record revenues.

Weather conditions were mixed during 2006. The year began dry, but quickly turned wet for an extended period of time. Much of the remaining year had a mixture of wet and dry periods, before the year ended on a dry note. A series of unstable weather conditions produced periods of heavy rainfall between February 19 and April 2. This was the result of a blocking weather pattern which formed in place south of Alaska that helped to keep a series of low pressure systems anchored to the northwest of the State producing the unstable conditions and subsequent heavy precipitations. Although the wet weather slowed crop progress and hampered farm activities during this period and for at least a month afterwards, most vegetable and melon growers benefited from the more ideal weather conditions which followed.

Hawaii's tomato farms (field and greenhouse types) experienced a 16 percent increase in farm revenues during 2006, and continued to lead all other vegetable and melon commodities with \$11.3 million in farm revenues or 19 percent of the overall total. The increase in revenue was due to a 4 percent increase in production coupled with a 12 percent increase in farm prices. Ranking second was sweetpotatoes which posted \$4.4 million in farm revenues during 2006, up 16 percent from 2005. A 21 percent increase in farm prices more than offset the 5 percent decrease in production.



### ◆ Taro

Hawaii taro production is estimated at 4.5 million pounds in 2006, up 5 percent from the previous year estimate of 4.3 million. Farm prices increased 6 percent to an average of 57 cents per pound, and value of sales was estimated at \$2.6 million, up 10 percent from 2005.

Taro production was once again hampered by a combination of wet weather and pests during 2006. This year began drier than normal, but quickly turned very wet. The northern islands experienced heavy rainfall during February with record amounts and flooding affecting most of the State during March. The beginning of April finally marked the end of six weeks of heavy rainfall. The remainder of the year was a mix of drier than normal weather and occasional periods of heavy rains. Reports of apple snail (*Pomacea canaliculata*) infestations and losses varied from light to heavy. Taro Pocket Rot (TPR), a disease that forms pickets of rotting tissue in the corm, also continued to result in some losses.



# MARKET SUPPLY: FRESH VEGETABLES

## MARKET SUPPLY: Fresh market vegetables, State of Hawaii, 2002-2006 <sup>1</sup>

Commodity		2002	2003	2004	2005	2006	Hawaii market share 2006
----- 1,000 pounds -----							Percent
Beans, snap:	Inshipments	502	411	531	619	<b>592</b>	<b>50</b>
	Hawaii	900	1,000	900	700	<b>600</b>	
Bittermelon:	Inshipments	38	52	66	149	<b>108</b>	<b>63</b>
	Hawaii	200	220	250	250	<b>180</b>	
Broccoli:	Inshipments	5,339	5,328	5,478	5,794	<b>5,830</b>	<b>5</b>
	Hawaii	550	750	500	600	<b>330</b>	
Burdock:	Inshipments	54	71	82	94	<b>79</b>	
	Hawaii <sup>2</sup>						
Cabbage, Chinese:	Inshipments	226	748	1,528	1,027	<b>949</b>	<b>87</b>
	Hawaii	<sup>3</sup> 5,700	<sup>3</sup> 5,500	<sup>4</sup> 5,300	<sup>4</sup> 5,700	<sup>4</sup> 6,100	
Cabbage, head:	Inshipments	541	1,925	4,022	3,054	<b>2,930</b>	<b>78</b>
	Hawaii	13,000	12,600	9,000	9,800	<b>10,100</b>	
Cabbage, mustard:	Inshipments	278	135	207	237	<b>262</b>	<b>84</b>
	Hawaii	1,400	1,300	1,400	1,400	<b>1,400</b>	
Carrots:	Inshipments	12,341	11,232	11,400	12,607	<b>12,767</b>	
	Hawaii <sup>2</sup>						
Cauliflower:	Inshipments	1,446	1,304	1,340	1,076	<b>1,167</b>	
	Hawaii <sup>2</sup>						
Celery:	Inshipments	5,047	4,796	5,065	4,931	<b>5,497</b>	<b>11</b>
	Hawaii	1,100	1,200	900	830	<b>670</b>	
Corn, sweet:	Inshipments	795	1,214	1,390	1,169	<b>712</b>	<b>72</b>
	Hawaii	2,400	2,500	1,800	1,700	<b>1,800</b>	
Cucumbers:	Inshipments	748	440	920	1,543	<b>1,118</b>	<b>83</b>
	Hawaii	5,400	5,900	5,900	6,000	<b>5,400</b>	
Daikon:	Inshipments	5	5	3	6	<b>6</b>	
	Hawaii <sup>3</sup>	2,100	1,900	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	
Dasheen:	Inshipments	945	1,056	746	659	<b>680</b>	
	Hawaii <sup>2</sup>						
Eggplant:	Inshipments	616	468	675	986	<b>821</b>	<b>55</b>
	Hawaii	750	850	1,050	1,200	<b>1,000</b>	
Ginger root:	Inshipments	7	542	591	224	<b>105</b>	<b>98</b>
	Hawaii	14,400	6,000	6,000	5,100	<b>4,300</b>	
Lettuce <sup>5</sup> :	Inshipments	10,135	9,348	9,116	8,065	<b>8,232</b>	<b>13</b>
	Hawaii	1,200	1,200	1,300	1,100	<b>1,200</b>	
Lotus root:	Inshipments	77	57	53	58	<b>70</b>	
	Hawaii <sup>2</sup>						
Onions, dry:	Inshipments	17,840	17,500	17,982	21,210	<b>20,562</b>	<b>6</b>
	Hawaii	2,100	3,300	1,600	2,300	<b>1,400</b>	

See footnotes at end of table.

Continued

# MARKET SUPPLY: FRESH VEGETABLES



## MARKET SUPPLY: Fresh market vegetables, State of Hawaii, 2002-2006<sup>1</sup> -- Continued

Commodity		2002	2003	2004	2005	2006	Hawaii market share 2006
----- 1,000 pounds -----							Percent
Onions, green:	Inshipments	1,460	566	896	590	<b>777</b>	<b>66</b>
	Hawaii	1,500	1,600	1,600	1,700	<b>1,500</b>	
Parsley, American:	Inshipments	77	124	167	178	<b>204</b>	<b>55</b>
	Hawaii	300	310	280	250	<b>250</b>	
Peas, Chinese:	Inshipments Hawaii <sup>2</sup>	370	300	257	260	<b>256</b>	
Peppers, green:	Inshipments	2,276	2,254	2,489	2,997	<b>3,402</b>	<b>45</b>
	Hawaii	3,200	3,300	3,200	3,000	<b>2,800</b>	
Potatoes:	Inshipments <sup>4</sup> Hawaii <sup>2</sup>	36,942	35,394	34,629	39,032	<b>39,191</b>	
Pumpkins:	Inshipments	146	158	833	363	<b>203</b>	<b>59</b>
	Hawaii	400	850	250	80	<b>290</b>	
Radish:	Inshipments	2	10	11	9	<b>5</b>	
	Hawaii	100	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	
Romaine:	Inshipments	8,260	8,210	9,336	10,465	<b>10,355</b>	<b>11</b>
	Hawaii	1,800	1,900	1,500	1,700	<b>1,300</b>	
Squash, Italian:	Inshipments	1,245	1,108	1,130	1,259	<b>1,722</b>	<b>39</b>
	Hawaii	1,400	1,800	1,700	1,500	<b>1,100</b>	
Squash, Oriental:	Inshipments	31	23	55	139	<b>492</b>	<b>45</b>
	Hawaii	250	200	650	450	<b>400</b>	
Sweetpotatoes:	Inshipments	1,416	1,365	1,357	1,337	<b>1,530</b>	<b>80</b>
	Hawaii	2,300	2,100	4,600	6,300	<b>6,000</b>	
Taro:	Inshipments	389	609	1,002	705	<b>962</b>	<b>9</b>
	Hawaii <sup>3</sup>	300	200	100	100	<b>100</b>	
Tomatoes:	Inshipments	3,245	1,686	3,538	5,624	<b>4,877</b>	<b>75</b>
	Hawaii	17,500	17,500	16,800	14,200	<b>14,700</b>	
Watercress:	Inshipments	41	42	45	41	<b>60</b>	<b>93</b>
	Hawaii	800	650	850	700	<b>750</b>	
All other vegetables:	Inshipments	26,426	28,581	28,974	30,639	<b>32,624</b>	<b>39</b>
	Hawaii	13,850	<sup>6</sup> 16,990	20,020	18,300	<b>21,100</b>	
Unspecified vegetables:	Inshipments <sup>7</sup>	9,506	9,048	12,902	11,540	<b>14,226</b>	
Total:	Inshipments	148,812	146,110	158,816	168,686	<b>159,147</b>	<b>35</b>
	Hawaii	94,900	<sup>6</sup> 91,620	87,450	84,960	<b>84,770</b>	
	All	243,712	<sup>6</sup> 237,730	246,266	253,646	<b>243,917</b>	

<sup>1</sup> Inshipment data was provided by the Market Analysis and News Branch of the State Department of Agriculture.

<sup>2</sup> Data not shown separately to avoid disclosure of individual operations but combined and included with "All other vegetables".

<sup>3</sup> Fresh market only.

<sup>4</sup> For processing and fresh market.

<sup>5</sup> Processed lettuce, both local production and inshipments, are included in "All other vegetables".

<sup>6</sup> Revised.

<sup>7</sup> Vegetable data received without commodity names specified.



# SNAP BEANS

## SNAP BEANS: Acreage, yield, production, price, and value, by county, 2002-2006

Year	Harvested acres	Yield per acre ----- 1,000 pounds -----	Production	Farm price Cents per pound	Value of sales 1,000 dollars
<b>State<sup>1</sup></b>					
2002	180	5.0	900	97.0	873
2003	200	5.0	1,000	96.0	960
2004	170	5.3	900	114.0	1,026
2005	130	5.4	700	109.0	763
<b>2006</b>	<b>120</b>	<b>5.0</b>	<b>600</b>	<b>105.0</b>	<b>630</b>
<b>County:</b>					
<b>Hawaii/Kauai<sup>2</sup></b>					
2002	50	3.0	150	98.0	147
2003	40	3.8	150	94.0	141
2004	30	4.7	140	143.0	200
2005	10	7.0	70	123.5	86
<b>2006</b>	<b>10</b>	<b>7.5</b>	<b>75</b>	<b>127.0</b>	<b>95</b>
<b>Honolulu</b>					
2002	75	3.9	290	107.5	312
2003	95	3.2	300	108.0	324
2004	95	5.6	530	115.0	610
2005	75	6.1	460	111.0	511
<b>2006</b>	<b>60</b>	<b>5.0</b>	<b>300</b>	<b>116.0</b>	<b>348</b>
<b>Maui</b>					
2002	55	8.4	460	90.0	414
2003	65	8.5	550	90.0	495
2004	45	5.1	230	94.0	216
2005	45	3.8	170	97.5	166
<b>2006</b>	<b>50</b>	<b>4.5</b>	<b>225</b>	<b>83.0</b>	<b>187</b>

<sup>1</sup> Sum of county estimates may not add to State total due to rounding.

<sup>2</sup> Kauai combined with Hawaii to avoid disclosure of individual operations.

## SNAP BEANS: Acreage, production, and price, State of Hawaii, 2002-2006

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
<b>Harvested acres<sup>1</sup></b>													
2002	16	17	15	15	14	18	12	15	19	14	17	17	180
2003	19	18	15	16	17	16	15	15	17	15	19	18	200
2004	19	21	14	21	13	11	17	16	11	16	19	11	170
2005	12	7	9	9	11	10	15	11	15	10	12	11	130
<b>2006</b>	<b>16</b>	<b>7</b>	<b>10</b>	<b>10</b>	<b>5</b>	<b>8</b>	<b>13</b>	<b>8</b>	<b>8</b>	<b>10</b>	<b>12</b>	<b>13</b>	<b>120</b>
<b>Production – 1,000 pounds</b>													
2002	60	55	76	94	70	105	55	86	75	74	71	79	900
2003	75	78	72	112	106	75	84	74	79	70	93	82	1,000
2004	68	62	41	80	66	84	117	70	100	63	73	76	900
2005	30	39	57	57	74	67	109	61	85	41	48	32	700
<b>2006</b>	<b>87</b>	<b>58</b>	<b>45</b>	<b>46</b>	<b>16</b>	<b>63</b>	<b>74</b>	<b>50</b>	<b>41</b>	<b>38</b>	<b>45</b>	<b>37</b>	<b>600</b>
<b>Farm price – cents per pound</b>													
2002	106.4	106.1	101.9	90.2	90.0	91.9	83.5	94.3	104.5	99.1	102.1	98.3	97.0
2003	98.0	102.1	105.4	101.1	86.4	81.7	91.0	96.7	92.8	91.6	99.8	105.5	96.0
2004	117.2	118.3	117.6	111.6	106.9	92.1	100.1	109.8	134.2	120.5	122.8	123.2	114.0
2005	93.6	135.5	126.3	117.1	116.8	116.4	100.8	107.6	95.4	102.2	98.6	102.4	109.0
<b>2006</b>	<b>124.9</b>	<b>118.0</b>	<b>122.5</b>	<b>123.5</b>	<b>135.7</b>	<b>102.6</b>	<b>104.2</b>	<b>92.3</b>	<b>70.1</b>	<b>75.0</b>	<b>90.7</b>	<b>90.3</b>	<b>105.0</b>

<sup>1</sup> Sum of monthly data exceeds total because harvest period longer than 1 month.

## CHINESE CABBAGE: Acreage, yield, production, price, and value, by county, 2002-2006

Year	Harvested acres	Yield per acre	Production	Farm price	Value of sales
		----- 1,000 pounds -----		Cents per pound	1,000 dollars
<b>State<sup>1</sup></b>					
2002	340	20.0	6,800	24.0	1,632
2003	310	21.6	6,700	23.0	1,541
2004	260	20.4	5,300	31.0	1,643
2005	260	21.9	5,700	30.0	1,710
<b>2006</b>	<b>250</b>	<b>24.4</b>	<b>6,100</b>	<b>29.0</b>	<b>1,769</b>
<b>County:</b>					
<b>Hawaii</b>					
2002	200	24.0	4,800	23.0	1,104
2003	200	24.5	4,900	23.1	1,132
2004	190	23.4	4,450	30.2	1,344
2005	180	24.4	4,400	29.3	1,289
<b>2006</b>	<b>160</b>	<b>26.8</b>	<b>4,280</b>	<b>28.0</b>	<b>1,198</b>
<b>Honolulu/Kauai/Maui<sup>2</sup></b>					
2002	140	14.3	2,000	26.4	528
2003	110	16.4	1,800	22.7	409
2004	70	12.1	850	35.2	299
2005	80	16.3	1,300	32.4	421
<b>2006</b>	<b>90</b>	<b>20.2</b>	<b>1,820</b>	<b>31.4</b>	<b>571</b>

<sup>1</sup> Sum of county estimates may not add to State total due to rounding.

<sup>2</sup> Kauai and Maui combined with Honolulu to avoid disclosure of individual operations.

## CHINESE CABBAGE: Acreage, production, and price, State of Hawaii, 2002-2006

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
<b>Harvested acres</b>													
2002	26	26	31	28	36	28	31	27	27	26	27	27	340
2003	28	33	32	28	26	26	25	22	23	19	20	28	310
2004	18	24	20	25	21	20	19	24	23	23	21	22	260
2005	24	29	27	25	29	16	17	18	20	18	18	19	260
<b>2006</b>	<b>20</b>	<b>24</b>	<b>29</b>	<b>19</b>	<b>17</b>	<b>27</b>	<b>21</b>	<b>18</b>	<b>14</b>	<b>20</b>	<b>21</b>	<b>20</b>	<b>250</b>
<b>Processing and fresh market:</b>													
<b>Production – 1,000 pounds</b>													
2002	614	611	651	579	494	504	545	564	446	576	604	612	6,800
2003	655	601	596	679	579	568	599	541	481	436	469	496	6,700
2004	440	428	465	432	492	431	481	388	367	496	406	474	5,300
2005	508	585	503	573	593	386	351	386	363	418	482	552	5,700
<b>2006</b>	<b>578</b>	<b>548</b>	<b>558</b>	<b>561</b>	<b>657</b>	<b>575</b>	<b>426</b>	<b>389</b>	<b>413</b>	<b>416</b>	<b>459</b>	<b>520</b>	<b>6,100</b>
<b>Farm price – cents per pound</b>													
2002	23.8	19.7	17.7	17.9	18.5	23.7	26.8	26.9	30.0	29.7	29.8	25.3	24.0
2003	21.8	19.4	18.5	17.7	19.0	18.5	22.8	27.9	29.6	29.3	28.2	29.6	23.0
2004	31.9	30.7	29.3	30.1	27.3	29.9	27.4	30.4	33.4	34.8	34.1	33.8	31.0
2005	33.4	33.6	33.1	20.8	24.8	26.5	32.9	32.1	33.5	32.4	31.8	29.1	30.0
<b>2006</b>	<b>28.8</b>	<b>27.2</b>	<b>26.4</b>	<b>26.4</b>	<b>25.1</b>	<b>27.6</b>	<b>28.8</b>	<b>31.3</b>	<b>35.8</b>	<b>33.1</b>	<b>33.0</b>	<b>29.6</b>	<b>29.0</b>



# HEAD CABBAGE

## HEAD CABBAGE: Acreage, yield, production, price, and value, by county, 2002-2006

Year	Harvested acres	Yield per acre ----- 1,000 pounds -----	Production	Farm price Cents per pound	Value of sales 1,000 dollars
<b>State<sup>1</sup></b>					
2002	540	24.1	13,000	21.0	2,730
2003	500	25.2	12,600	22.0	2,772
2004	360	25.0	9,000	30.0	2,700
2005	430	22.8	9,800	28.0	2,744
<b>2006</b>	<b>450</b>	<b>22.4</b>	<b>10,100</b>	<b>27.0</b>	<b>2,727</b>
<b>County:</b>					
<b>Hawaii/Honolulu/Kauai<sup>2</sup></b>					
2002	370	23.5	8,700	21.2	1,844
2003	335	23.9	8,000	21.6	1,728
2004	185	22.7	4,200	29.1	1,222
2005	230	23.0	5,300	28.5	1,511
<b>2006</b>	<b>310</b>	<b>22.6</b>	<b>7,000</b>	<b>27.4</b>	<b>1,918</b>
<b>Maui</b>					
2002	170	25.3	4,300	20.6	886
2003	165	27.9	4,600	22.7	1,044
2004	175	27.4	4,800	30.8	1,478
2005	200	22.5	4,500	27.4	1,233
<b>2006</b>	<b>140</b>	<b>22.1</b>	<b>3,100</b>	<b>26.1</b>	<b>809</b>

<sup>1</sup> Sum of county estimates may not add to State total due to rounding.

<sup>2</sup> Honolulu and Kauai combined with Hawaii to avoid disclosure of individual operations.

## HEAD CABBAGE: Acreage, production, and price, State of Hawaii, 2002-2006

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
<b>Harvested acres</b>													
2002	45	47	51	46	48	48	47	44	42	40	40	42	540
2003	48	46	45	38	46	49	44	38	41	30	39	36	500
2004	22	22	28	36	39	32	26	25	27	26	40	37	360
2005	29	41	43	50	46	29	24	25	27	22	46	48	430
<b>2006</b>	<b>49</b>	<b>45</b>	<b>47</b>	<b>48</b>	<b>39</b>	<b>39</b>	<b>47</b>	<b>18</b>	<b>21</b>	<b>25</b>	<b>30</b>	<b>42</b>	<b>450</b>
<b>Production – 1,000 pounds</b>													
2002	1,036	1,010	1,134	944	1,070	1,205	1,106	1,188	1,138	1,055	948	1,166	13,000
2003	1,294	1,320	1,449	1,128	1,120	1,042	1,125	880	853	666	935	788	12,600
2004	595	556	589	970	973	1,008	871	595	591	633	741	878	9,000
2005	656	665	1,076	1,163	1,011	1,072	646	538	481	514	773	1,205	9,800
<b>2006</b>	<b>928</b>	<b>1,000</b>	<b>1,239</b>	<b>1,109</b>	<b>935</b>	<b>912</b>	<b>956</b>	<b>464</b>	<b>451</b>	<b>499</b>	<b>754</b>	<b>853</b>	<b>10,100</b>
<b>Farm price – cents per pound</b>													
2002	27.5	25.3	24.7	20.5	19.2	18.1	16.7	17.2	17.8	19.7	24.2	22.3	21.0
2003	22.4	20.9	19.7	19.0	18.5	19.3	18.3	20.2	24.7	27.9	28.3	31.8	22.0
2004	38.3	34.4	29.8	27.1	27.3	26.4	25.8	28.7	32.3	34.0	32.2	30.6	30.0
2005	27.6	27.1	26.8	25.9	25.6	26.4	27.0	28.9	29.3	34.2	31.9	29.6	28.0
<b>2006</b>	<b>27.6</b>	<b>23.8</b>	<b>21.9</b>	<b>22.3</b>	<b>25.4</b>	<b>25.4</b>	<b>26.4</b>	<b>32.6</b>	<b>36.6</b>	<b>32.0</b>	<b>33.8</b>	<b>30.2</b>	<b>27.0</b>

**CELERY: Acreage, yield, production, price, and value, by county, 2002-2006**

Year	Harvested acres	Yield per acre	Production	Farm price	Value of sales
		----- 1,000 pounds -----		Cents per pound	1,000 dollars
<b>State</b> <sup>1</sup>					
2002	50	22.0	1,100	33.0	363
2003	45	26.7	1,200	32.0	384
2004	30	30.0	900	34.0	306
2005	25	33.2	830	37.0	307
<b>2006</b>	<b>25</b>	<b>26.8</b>	<b>670</b>	<b>37.0</b>	<b>248</b>
<b>County:</b>					
<b>Hawaii</b>					
2002	25	24.0	600	35.0	210
2003	25	28.0	700	34.8	244
2004	20	30.0	600	36.2	217
2005 <sup>2</sup>					
<b>2006<sup>2</sup></b>					
<b>Maui</b>					
2002	25	20.0	500	30.5	153
2003	20	25.0	500	28.0	140
2004	10	30.0	300	29.6	89
2005 <sup>2</sup>					
<b>2006<sup>2</sup></b>					

<sup>1</sup> Sum of county estimates may not add to State total due to rounding.

<sup>2</sup> Data not shown separately to avoid disclosure of individual operations but combined and included in the State total.



# SWEET CORN

## SWEET CORN: Acreage, yield, production, price, and value, by county, 2002-2006

Year	Harvested acres	Yield per acre ----- 1,000 pounds -----	Production	Farm price Cents per pound	Value of sales 1,000 dollars
<b>State<sup>1</sup></b>					
2002	610	3.9	2,400	54.0	1,296
2003	830	3.0	2,500	51.0	1,275
2004	540	3.3	1,800	58.0	1,044
2005	410	4.1	1,700	55.0	935
<b>2006</b>	<b>350</b>	<b>5.1</b>	<b>1,800</b>	<b>66.0</b>	<b>1,188</b>
<b>County:</b>					
<b>Hawaii/Kauai<sup>2</sup></b>					
2002	270	4.1	1,100	46.6	513
2003	320	3.6	1,150	42.0	483
2004	260	2.6	670	44.5	298
2005 <sup>3</sup>					
<b>2006<sup>3</sup></b>					
<b>Honolulu/Maui<sup>4</sup></b>					
2002	340	3.8	1,300	60.2	783
2003	510	2.6	1,350	58.7	792
2004	280	4.0	1,130	66.0	746
2005 <sup>3</sup>					
<b>2006<sup>3</sup></b>					

<sup>1</sup> Sum of county estimates may not add to State total due to rounding.

<sup>2</sup> Kauai combined with Hawaii to avoid disclosure of individual operations.

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

<sup>4</sup> Maui combined with Honolulu to avoid disclosure of individual operations.

## SWEET CORN: Acreage, production, and price, State of Hawaii, 2002-2006

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
<b>Harvested acres</b>													
2002	33	29	45	47	62	55	49	49	52	46	70	73	610
2003	56	70	83	77	77	91	81	66	74	56	68	31	830
2004	42	43	52	51	61	45	45	43	37	32	49	40	540
2005	26	18	24	32	30	39	41	48	39	48	38	27	410
<b>2006</b>	<b>17</b>	<b>21</b>	<b>23</b>	<b>20</b>	<b>19</b>	<b>35</b>	<b>26</b>	<b>42</b>	<b>40</b>	<b>29</b>	<b>44</b>	<b>34</b>	<b>350</b>
<b>Production – 1,000 pounds</b>													
2002	133	90	140	169	190	269	210	215	167	177	340	300	2,400
2003	156	132	170	276	302	227	289	210	183	203	205	147	2,500
2004	110	97	112	155	203	179	161	139	146	120	199	179	1,800
2005	60	63	71	114	137	249	219	241	149	155	122	120	1,700
<b>2006</b>	<b>86</b>	<b>79</b>	<b>61</b>	<b>123</b>	<b>85</b>	<b>189</b>	<b>147</b>	<b>248</b>	<b>215</b>	<b>160</b>	<b>209</b>	<b>198</b>	<b>1,800</b>
<b>Farm price – cents per pound</b>													
2002	62.7	66.0	58.4	58.0	49.4	46.3	48.6	57.5	64.5	52.0	41.7	62.3	54.0
2003	59.7	48.7	39.2	57.2	41.2	50.7	45.6	49.9	50.8	60.7	59.5	53.2	51.0
2004	48.9	47.4	52.2	53.5	45.5	56.1	56.4	60.6	79.4	69.4	64.7	59.8	58.0
2005	58.1	55.3	54.8	53.3	59.0	54.0	53.2	51.0	57.9	48.3	62.5	61.2	55.0
<b>2006</b>	<b>39.5</b>	<b>60.2</b>	<b>133.6</b>	<b>61.5</b>	<b>63.7</b>	<b>76.8</b>	<b>68.4</b>	<b>73.2</b>	<b>59.2</b>	<b>56.1</b>	<b>55.8</b>	<b>67.5</b>	<b>66.0</b>

## CUCUMBERS: Acreage, yield, production, price, and value, by county, 2002-2006

Year	Harvested acres	Yield per acre	Production	Farm price	Value of sales
		----- 1,000 pounds -----		Cents per pound	1,000 dollars
<b>State <sup>1</sup></b>					
2002	390	13.8	5,400	46.0	2,484
2003	410	14.4	5,900	48.0	2,832
2004	400	14.8	5,900	53.0	3,127
2005	440	13.6	6,000	46.0	2,760
<b>2006</b>	<b>330</b>	<b>16.4</b>	<b>5,400</b>	<b>50.0</b>	<b>2,700</b>
<b>County:</b>					
<b>Hawaii/Kauai <sup>2</sup></b>					
2002	30	21.3	640	45.2	289
2003	30	20.0	600	58.7	352
2004	20	17.5	350	56.8	199
2005	15	14.7	220	53.1	117
<b>2006</b>	<b>10</b>	<b>22.0</b>	<b>220</b>	<b>68.7</b>	<b>151</b>
<b>Honolulu</b>					
2002	180	12.2	2,200	50.7	1,115
2003	200	12.3	2,450	52.0	1,274
2004	195	11.5	2,250	55.0	1,238
2005	230	13.0	3,000	45.1	1,353
<b>2006</b>	<b>130</b>	<b>12.2</b>	<b>1,580</b>	<b>49.0</b>	<b>774</b>
<b>Maui</b>					
2002	180	14.2	2,560	42.2	1,080
2003	180	15.8	2,850	42.3	1,206
2004	185	17.8	3,300	51.2	1,690
2005	195	14.3	2,780	46.4	1,290
<b>2006</b>	<b>190</b>	<b>18.9</b>	<b>3,600</b>	<b>49.3</b>	<b>1,775</b>

<sup>1</sup> Sum of county estimates may not add to State total due to rounding.

<sup>2</sup> Kauai combined with Hawaii to avoid disclosure of individual operations.

## CUCUMBERS: Acreage, production, and price, State of Hawaii, 2002-2006

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
<b>Harvested acres <sup>1</sup></b>													
2002	35	36	35	33	33	33	34	34	35	36	36	33	390
2003	32	32	34	33	36	34	35	36	33	35	36	34	410
2004	34	32	31	31	31	33	32	32	35	35	37	37	400
2005	35	29	36	35	36	35	37	37	52	38	38	34	440
<b>2006</b>	<b>26</b>	<b>25</b>	<b>23</b>	<b>20</b>	<b>25</b>	<b>29</b>	<b>31</b>	<b>25</b>	<b>29</b>	<b>27</b>	<b>25</b>	<b>25</b>	<b>330</b>
<b>Production – 1,000 pounds</b>													
2002	348	359	434	457	447	558	499	507	437	395	456	503	5,400
2003	406	381	380	414	624	670	656	596	395	483	496	399	5,900
2004	348	291	396	405	538	701	656	659	552	525	407	422	5,900
2005	198	289	376	473	697	657	682	607	562	557	523	379	6,000
<b>2006</b>	<b>385</b>	<b>461</b>	<b>330</b>	<b>377</b>	<b>458</b>	<b>514</b>	<b>553</b>	<b>435</b>	<b>588</b>	<b>468</b>	<b>369</b>	<b>462</b>	<b>5,400</b>
<b>Farm price – cents per pound</b>													
2002	58.3	57.4	54.8	43.3	41.2	35.3	36.7	44.1	47.0	42.7	50.2	49.6	46.0
2003	49.7	55.7	47.5	49.2	42.7	43.0	43.2	43.6	50.6	51.5	54.6	54.0	48.0
2004	56.3	60.9	64.0	55.7	44.9	44.1	44.4	49.1	54.9	58.2	62.0	58.5	53.0
2005	56.3	65.1	52.7	59.1	41.5	42.0	38.1	39.2	43.0	46.2	45.3	48.8	46.0
<b>2006</b>	<b>50.7</b>	<b>52.0</b>	<b>59.2</b>	<b>59.9</b>	<b>45.2</b>	<b>37.4</b>	<b>42.0</b>	<b>48.6</b>	<b>50.4</b>	<b>50.1</b>	<b>56.8</b>	<b>56.3</b>	<b>50.0</b>

<sup>1</sup> Sum of monthly data exceeds total because harvest period longer than 1 month.

**DAIKON: Acreage, yield, production, price, and value, by county, 2002-2006**

Year	Harvested acres	Yield per acre ----- 1,000 pounds -----	Production	Farm price Cents per pound	Value of sales 1,000 dollars
<b>State<sup>1</sup></b>					
2002	250	10.0	2,500	30.0	750
2003	220	10.5	2,300	31.0	713
2004	200	8.5	1,700	32.0	544
2005 <sup>2</sup>					
<b>2006<sup>2</sup></b>					
<b>County:</b>					
<b>Hawaii</b>					
2002	185	9.5	1,750	28.0	490
2003	165	11.5	1,900	30.0	570
2004	170	7.6	1,300	30.0	390
2005 <sup>2</sup>					
<b>2006<sup>2</sup></b>					
<b>Honolulu/Kauai/Maui<sup>3</sup></b>					
2002	65	11.5	750	34.6	260
2003	55	7.3	400	35.8	143
2004	30	13.3	400	38.5	154
2005 <sup>2</sup>					
<b>2006<sup>2</sup></b>					

<sup>1</sup> Sum of county estimates may not add to State total due to rounding.

<sup>2</sup> Data not shown to avoid disclosure of individual operations.

<sup>3</sup> Kauai and Maui combined with Honolulu to avoid disclosure of individual operations.



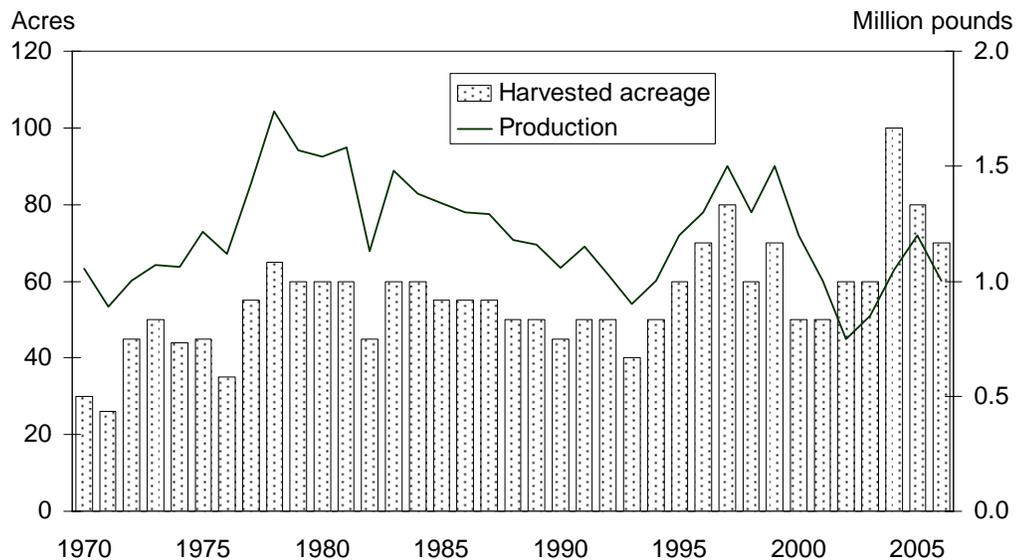
## EGGPLANT: Acreage, yield, production, price, and value, by county, 2002-2006

Year	Harvested acres	Yield per acre	Production	Farm price	Value of sales
		----- 1,000 pounds -----		Cents per pound	1,000 dollars
<b>State<sup>1</sup></b>					
2002	60	12.5	750	73.0	548
2003	60	14.2	850	74.0	629
2004	100	10.5	1,050	77.0	809
2005	80	14.6	1,200	81.0	972
<b>2006</b>	<b>70</b>	<b>14.3</b>	<b>1,000</b>	<b>84.0</b>	<b>840</b>
<b>County:</b>					
<b>Hawaii/Kauai/Maui<sup>2</sup></b>					
2002	10	11.0	110	90.9	100
2003	20	12.5	250	81.2	203
2004	15	12.7	190	100.0	190
2005	10	17.0	170	74.7	127
<b>2006</b>	<b>10</b>	<b>16.0</b>	<b>160</b>	<b>94.4</b>	<b>151</b>
<b>Honolulu</b>					
2002	50	12.8	640	70.0	448
2003	40	15.0	600	71.0	426
2004	85	10.1	860	72.0	619
2005	70	14.7	1,030	82.0	845
<b>2006</b>	<b>60</b>	<b>14.0</b>	<b>840</b>	<b>82.0</b>	<b>689</b>

<sup>1</sup> Sum of county estimates may not add to State total due to rounding.

<sup>2</sup> Kauai and Maui combined with Hawaii to avoid disclosure of individual operations.

### EGGPLANT: Acreage and Production, State of Hawaii, 1970-2006



**LETTUCES (HEAD, SEMI-HEAD): Acreage, yield, production, price, and value,  
by county, 2002-2006**

Year	Harvested acres	Yield per acre ----- 1,000 pounds -----	Production	Farm price Cents per pound	Value of sales 1,000 dollars
<b>State<sup>1</sup></b>					
2002	120	10.0	1,200	57.0	684
2003	120	10.0	1,200	58.0	696
2004	110	11.8	1,300	61.0	793
2005	110	10.0	1,100	68.0	748
<b>2006</b>	<b>120</b>	<b>10.0</b>	<b>1,200</b>	<b>70.0</b>	<b>840</b>
<b>County:</b>					
<b>Hawaii</b>					
2002	75	10.9	820	50.0	410
2003	70	12.1	850	51.6	439
2004	60	12.7	760	54.0	410
2005	65	10.8	700	60.2	421
<b>2006</b>	<b>60</b>	<b>12.8</b>	<b>770</b>	<b>60.0</b>	<b>462</b>
<b>Honolulu/Kauai/Maui<sup>2</sup></b>					
2002	45	8.4	380	72.0	274
2003	50	7.0	350	73.4	257
2004	50	10.8	540	70.9	383
2005	45	8.9	400	81.7	327
<b>2006</b>	<b>60</b>	<b>7.2</b>	<b>430</b>	<b>87.8</b>	<b>378</b>

<sup>1</sup> Sum of county estimates may not add to State total due to rounding.

<sup>2</sup> Kauai and Maui combined with Honolulu to avoid disclosure of individual operations.

**LETTUCES (HEAD, SEMI-HEAD): Acreage, production, and price, State of Hawaii, 2002-2006**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
<b>Harvested acres</b>													
2002	11	12	11	10	11	10	10	11	8	8	9	9	120
2003	10	10	12	11	10	9	10	10	9	9	10	10	120
2004	8	11	7	8	9	9	10	10	9	9	10	10	110
2005	8	9	8	11	10	9	8	8	9	9	9	12	110
<b>2006</b>	<b>9</b>	<b>12</b>	<b>9</b>	<b>11</b>	<b>9</b>	<b>10</b>	<b>9</b>	<b>10</b>	<b>12</b>	<b>12</b>	<b>8</b>	<b>9</b>	<b>120</b>
<b>Production – 1,000 pounds</b>													
2002	94	83	123	124	112	104	96	106	96	91	79	92	1,200
2003	95	90	110	114	107	97	110	96	98	99	94	90	1,200
2004	73	83	94	93	117	134	129	125	109	131	107	105	1,300
2005	73	74	110	113	103	90	92	83	83	92	98	89	1,100
<b>2006</b>	<b>114</b>	<b>105</b>	<b>87</b>	<b>94</b>	<b>106</b>	<b>119</b>	<b>105</b>	<b>103</b>	<b>106</b>	<b>105</b>	<b>74</b>	<b>82</b>	<b>1,200</b>
<b>Farm price – cents per pound</b>													
2002	57.2	50.7	55.0	61.8	59.9	61.4	55.0	54.3	54.5	56.0	57.6	58.5	57.0
2003	57.9	58.3	58.7	59.1	55.5	56.3	55.4	57.3	59.2	55.8	57.5	65.3	58.0
2004	60.8	62.1	57.9	59.9	61.1	60.2	59.9	60.8	62.2	61.1	60.9	65.6	61.0
2005	64.0	65.3	68.1	66.8	67.6	66.7	77.2	65.3	66.1	74.1	67.1	66.7	68.0
<b>2006</b>	<b>70.0</b>	<b>72.9</b>	<b>65.7</b>	<b>66.8</b>	<b>66.0</b>	<b>66.7</b>	<b>68.2</b>	<b>69.4</b>	<b>75.2</b>	<b>72.2</b>	<b>74.9</b>	<b>72.9</b>	<b>70.0</b>



## DRY ONIONS: Acreage, yield, production, price, and value, by county, 2002-2006

Year	Harvested acres	Yield per acre	Production	Farm price	Value of sales
		----- 1,000 pounds -----		Cents per pound	1,000 dollars
<b>State<sup>1</sup></b>					
2002	200	10.5	2,100	96.0	2,016
2003	330	10.0	3,300	84.0	2,772
2004	180	8.9	1,600	149.0	2,384
2005	220	10.5	2,300	132.0	3,036
<b>2006</b>	<b>140</b>	<b>10.0</b>	<b>1,400</b>	<b>145.0</b>	<b>2,030</b>
<b>County:</b>					
<b>Hawaii/Honolulu/Kauai<sup>2</sup></b>					
2002	70	10.9	760	73.0	555
2003	185	6.4	1,175	58.9	692
2004	55	8.2	450	86.4	389
2005	95	7.9	750	80.9	607
<b>2006</b>	<b>30</b>	<b>4.3</b>	<b>130</b>	<b>86.0</b>	<b>112</b>
<b>Maui</b>					
2002	130	10.3	1,340	109.0	1,461
2003	145	14.7	2,125	97.9	2,080
2004	125	9.2	1,150	173.5	1,995
2005	125	12.4	1,550	156.7	2,429
<b>2006</b>	<b>110</b>	<b>11.5</b>	<b>1,270</b>	<b>151.0</b>	<b>1,918</b>

<sup>1</sup> Sum of county estimates may not add to State total due to rounding.

<sup>2</sup> Honolulu and Kauai combined with Hawaii to avoid disclosure of individual operations.

## DRY ONIONS: Acreage, production, and price, State of Hawaii, 2002-2006

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
<b>Harvested acres</b>													
2002	10	16	19	20	20	19	22	10	10	15	23	16	200
2003	26	16	62	56	34	35	17	18	12	12	34	8	330
2004	13	11	9	21	14	15	10	15	12	15	26	19	180
2005	22	17	21	24	9	19	22	15	9	31	22	9	220
<b>2006</b>	<b>6</b>	<b>4</b>	<b>11</b>	<b>8</b>	<b>28</b>	<b>23</b>	<b>8</b>	<b>21</b>	<b>8</b>	<b>6</b>	<b>9</b>	<b>8</b>	<b>140</b>
<b>Production – 1,000 pounds</b>													
2002	53	101	179	150	157	167	202	137	137	188	408	221	2,100
2003	191	121	327	470	381	570	480	173	171	136	200	80	3,300
2004	89	52	52	135	142	134	117	142	167	167	228	175	1,600
2005	51	52	69	404	185	330	352	267	143	235	142	70	2,300
<b>2006</b>	<b>40</b>	<b>61</b>	<b>69</b>	<b>94</b>	<b>213</b>	<b>253</b>	<b>148</b>	<b>240</b>	<b>84</b>	<b>64</b>	<b>75</b>	<b>59</b>	<b>1,400</b>
<b>Farm price – cents per pound</b>													
2002	109.8	85.3	81.7	93.5	75.3	72.2	80.2	103.0	105.1	107.1	111.2	110.4	96.0
2003	95.0	108.4	100.5	102.7	78.6	56.2	61.0	80.3	95.1	103.7	94.9	129.6	84.0
2004	137.1	152.9	117.9	126.0	183.8	117.5	174.8	161.5	172.9	168.5	128.8	134.3	149.0
2005	164.5	152.0	163.4	139.5	157.5	100.1	106.6	126.4	144.4	132.3	156.6	174.5	132.0
<b>2006</b>	<b>183.1</b>	<b>174.0</b>	<b>175.9</b>	<b>188.9</b>	<b>179.9</b>	<b>146.5</b>	<b>125.9</b>	<b>113.2</b>	<b>105.4</b>	<b>112.9</b>	<b>131.7</b>	<b>135.4</b>	<b>145.0</b>



# GREEN ONIONS

## GREEN ONIONS: Acreage, yield, production, price, and value, by county, 2002-2006

Year	Harvested acres	Yield per acre ----- 1,000 pounds -----	Production	Farm price Cents per pound	Value of sales 1,000 dollars
<b>State<sup>1</sup></b>					
2002	125	12.0	1,500	89.0	1,335
2003	130	12.3	1,600	90.0	1,440
2004	130	12.3	1,600	97.0	1,552
2005	155	11.0	1,700	99.0	1,683
<b>2006</b>	<b>130</b>	<b>11.5</b>	<b>1,500</b>	<b>100.0</b>	<b>1,500</b>
<b>County:</b>					
<b>Hawaii/Kauai/Maui<sup>2</sup></b>					
2002	30	6.7	200	105.2	210
2003	20	10.0	200	103.8	208
2004	15	13.3	200	104.1	208
2005	15	13.3	200	114.0	228
<b>2006</b>	<b>15</b>	<b>18.0</b>	<b>270</b>	<b>113.8</b>	<b>307</b>
<b>Honolulu</b>					
2002	95	13.7	1,300	86.5	1,125
2003	110	12.7	1,400	88.0	1,232
2004	115	12.2	1,400	96.0	1,344
2005	140	10.7	1,500	97.0	1,455
<b>2006</b>	<b>115</b>	<b>10.7</b>	<b>1,230</b>	<b>97.0</b>	<b>1,193</b>

<sup>1</sup> Sum of county estimates may not add to State total due to rounding.

<sup>2</sup> Kauai and Maui combined with Hawaii to avoid disclosure of individual operations.

## GREEN ONIONS: Acreage, production, and price, State of Hawaii, 2002-2006

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
<b>Harvested acres</b>													
2002	9	9	10	10	11	12	11	11	12	10	10	10	125
2003	10	11	13	10	11	11	10	11	10	11	11	11	130
2004	11	9	8	10	12	11	11	12	11	10	12	13	130
2005	15	14	13	15	14	14	9	10	11	11	12	17	155
<b>2006</b>	<b>12</b>	<b>10</b>	<b>11</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>12</b>	<b>12</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>13</b>	<b>130</b>
<b>Production – 1,000 pounds</b>													
2002	114	90	111	121	109	121	145	142	133	125	134	155	1,500
2003	133	134	132	138	140	148	136	151	138	122	108	120	1,600
2004	111	95	102	140	147	138	154	156	147	145	130	135	1,600
2005	104	88	131	132	157	145	147	141	148	148	161	198	1,700
<b>2006</b>	<b>123</b>	<b>129</b>	<b>114</b>	<b>58</b>	<b>135</b>	<b>143</b>	<b>125</b>	<b>135</b>	<b>117</b>	<b>128</b>	<b>167</b>	<b>126</b>	<b>1,500</b>
<b>Farm price – cents per pound</b>													
2002	98.0	91.5	94.7	92.9	89.4	88.1	82.7	85.5	89.8	86.8	87.6	85.5	89.0
2003	87.1	88.7	89.1	90.0	88.6	91.5	88.2	88.5	88.9	85.5	94.5	100.8	90.0
2004	103.8	115.8	115.1	103.3	88.0	86.5	83.4	93.3	89.7	96.2	104.5	99.9	97.0
2005	112.6	127.3	126.3	107.2	100.4	93.6	91.3	87.3	84.6	91.6	91.6	94.9	99.0
<b>2006</b>	<b>98.8</b>	<b>101.4</b>	<b>108.4</b>	<b>132.8</b>	<b>104.9</b>	<b>91.7</b>	<b>92.0</b>	<b>91.0</b>	<b>90.3</b>	<b>92.3</b>	<b>107.2</b>	<b>106.5</b>	<b>100.0</b>

## GREEN PEPPERS: Acreage, yield, production, price, and value, State of Hawaii, 2002-2006

Year	Harvested acres	Yield per acre	Production	Farm price	Value of sales
		----- 1,000 pounds -----		Cents per pound	1,000 dollars
2002	215	14.9	3,200	59.0	1,888
2003	220	15.0	3,300	61.0	2,013
2004	240	13.3	3,200	69.0	2,208
2005	230	13.0	3,000	64.0	1,920
<b>2006</b>	<b>260</b>	<b>10.8</b>	<b>2,800</b>	<b>71.0</b>	<b>1,988</b>

## GREEN PEPPERS: Acreage, production, and price, State of Hawaii, 2002-2006

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
<b>Harvested acres <sup>1</sup></b>													
2002	17	17	17	18	18	18	18	18	18	17	19	20	215
2003	17	17	18	17	17	18	19	19	20	20	19	19	220
2004	20	19	19	20	20	20	19	20	20	20	22	21	240
2005	22	20	23	23	22	20	23	22	22	21	21	19	230
<b>2006</b>	<b>22</b>	<b>22</b>	<b>25</b>	<b>23</b>	<b>21</b>	<b>21</b>	<b>21</b>	<b>23</b>	<b>23</b>	<b>25</b>	<b>22</b>	<b>22</b>	<b>260</b>
<b>Production – 1,000 pounds</b>													
2002	264	262	283	271	271	264	266	277	271	256	267	248	3,200
2003	248	267	270	269	279	280	306	278	278	274	270	281	3,300
2004	295	274	221	258	281	280	282	284	279	330	218	198	3,200
2005	218	230	274	314	310	168	240	241	226	236	253	290	3,000
<b>2006</b>	<b>237</b>	<b>270</b>	<b>255</b>	<b>310</b>	<b>225</b>	<b>226</b>	<b>244</b>	<b>203</b>	<b>223</b>	<b>196</b>	<b>182</b>	<b>229</b>	<b>2,800</b>
<b>Farm price – cents per pound</b>													
2002	62.9	57.4	64.5	62.9	62.3	60.8	56.1	53.1	55.1	55.2	57.9	60.1	59.0
2003	60.9	61.3	63.5	62.9	64.2	61.9	63.8	58.2	55.8	57.2	57.9	64.2	61.0
2004	71.7	76.5	78.1	78.7	71.6	64.2	60.1	57.1	57.2	66.6	74.4	78.8	69.0
2005	58.9	61.3	72.3	61.1	58.9	69.4	68.5	63.3	58.4	62.2	64.6	69.9	64.0
<b>2006</b>	<b>82.3</b>	<b>75.1</b>	<b>76.1</b>	<b>72.3</b>	<b>73.8</b>	<b>68.9</b>	<b>68.3</b>	<b>68.2</b>	<b>65.1</b>	<b>67.1</b>	<b>66.5</b>	<b>64.3</b>	<b>71.0</b>

<sup>1</sup> Sum of monthly data exceeds total because harvest period longer than 1 month.

**ROMAINE: Acreage, yield, production, price, and value, by county, 2002-2006**

Year	Harvested acres	Yield per acre ----- 1,000 pounds -----	Production	Farm price Cents per pound	Value of sales 1,000 dollars
<b>State <sup>1</sup></b>					
2002	150	12.0	1,800	47.0	846
2003	160	11.9	1,900	44.0	836
2004	140	10.7	1,500	50.0	750
2005	140	12.1	1,700	59.0	1,003
<b>2006</b>	<b>110</b>	<b>11.8</b>	<b>1,300</b>	<b>63.0</b>	<b>819</b>
<b>County:</b>					
<b>Hawaii/Honolulu <sup>2</sup></b>					
2002	120	12.1	1,450	48.2	699
2003	125	11.6	1,450	45.5	660
2004	110	10.0	1,100	49.6	546
2005	105	10.5	1,100	61.7	679
<b>2006</b>	<b>90</b>	<b>11.4</b>	<b>1,030</b>	<b>63.3</b>	<b>652</b>
<b>Maui</b>					
2002	30	11.7	350	42.0	147
2003	35	12.9	450	39.0	176
2004	30	13.3	400	51.0	204
2005	35	17.1	600	54.0	324
<b>2006</b>	<b>20</b>	<b>13.5</b>	<b>270</b>	<b>62.0</b>	<b>167</b>

<sup>1</sup> Sum of county estimates may not add to State total due to rounding.

<sup>2</sup> Honolulu combined with Hawaii to avoid disclosure of individual operations.

**ROMAINE: Acreage, production, and price, State of Hawaii, 2002-2006**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
<b>Harvested acres</b>													
2002	17	15	16	14	14	10	9	9	8	9	12	17	150
2003	19	13	14	18	13	11	10	10	9	12	13	18	160
2004	8	18	14	12	10	9	9	12	10	10	12	16	140
2005	12	16	13	15	15	11	10	7	7	8	11	15	140
<b>2006</b>	<b>11</b>	<b>17</b>	<b>12</b>	<b>9</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>8</b>	<b>9</b>	<b>8</b>	<b>7</b>	<b>5</b>	<b>110</b>
<b>Production – 1,000 pounds</b>													
2002	155	181	215	184	173	123	124	114	113	123	120	175	1,800
2003	194	148	173	184	205	163	131	127	125	132	164	154	1,900
2004	107	131	107	119	124	136	125	131	123	123	128	146	1,500
2005	143	131	155	175	176	130	134	124	109	130	142	151	1,700
<b>2006</b>	<b>149</b>	<b>144</b>	<b>103</b>	<b>96</b>	<b>123</b>	<b>106</b>	<b>111</b>	<b>113</b>	<b>97</b>	<b>100</b>	<b>84</b>	<b>74</b>	<b>1,300</b>
<b>Farm price – cents per pound</b>													
2002	41.4	50.6	58.0	51.6	45.9	44.5	42.3	43.5	44.5	44.9	44.3	43.5	47.0
2003	40.4	41.1	39.4	44.9	37.8	49.5	47.3	46.3	45.6	45.2	45.1	49.3	44.0
2004	54.7	54.5	42.2	45.3	52.5	47.6	47.2	46.7	49.1	50.6	51.2	56.8	50.0
2005	47.7	46.3	48.1	57.4	60.7	60.6	62.3	73.5	62.2	62.2	63.4	66.7	59.0
<b>2006</b>	<b>64.2</b>	<b>61.8</b>	<b>63.9</b>	<b>62.2</b>	<b>61.3</b>	<b>61.9</b>	<b>61.8</b>	<b>61.8</b>	<b>66.7</b>	<b>64.2</b>	<b>61.7</b>	<b>66.6</b>	<b>63.0</b>

## ITALIAN SQUASH: Acreage, yield, production, price, and value, by county, 2002-2006

Year	Harvested acres	Yield per acre	Production	Farm price	Value of sales
		----- 1,000 pounds -----		Cents per pound	1,000 dollars
<b>State<sup>1</sup></b>					
2002	175	8.0	1,400	46.0	644
2003	150	12.0	1,800	52.0	936
2004	230	7.4	1,700	54.0	918
2005	200	7.5	1,500	56.0	840
<b>2006</b>	<b>175</b>	<b>6.3</b>	<b>1,100</b>	<b>64.0</b>	<b>704</b>
<b>County:</b>					
<b>Hawaii/Honolulu/Kauai<sup>2</sup></b>					
2002	100	7.7	770	47.0	362
2003	65	11.1	720	48.8	351
2004	155	6.1	940	53.2	500
2005	110	7.7	850	56.0	476
<b>2006</b>	<b>110</b>	<b>5.8</b>	<b>635</b>	<b>66.9</b>	<b>425</b>
<b>Maui</b>					
2002	75	8.4	630	44.8	282
2003	85	12.7	1,080	54.2	585
2004	75	10.1	760	55.0	418
2005	90	7.2	650	56.0	364
<b>2006</b>	<b>65</b>	<b>7.2</b>	<b>465</b>	<b>60.0</b>	<b>279</b>

<sup>1</sup> Sum of county estimates may not add to State total due to rounding.

<sup>2</sup> Honolulu and Kauai combined with Hawaii to avoid disclosure of individual operations.





# SWEETPOTATOES

## SWEETPOTATOES: Acreage, yield, production, price, and value, by county, 2002-2006

Year	Harvested acres	Yield per acre	Production	Farm price	Value of sales
		----- 1,000 pounds -----		Cents per pound	1,000 dollars
<b>State <sup>1</sup></b>					
2002	300	7.7	2,300	43.0	989
2003	210	10.0	2,100	41.0	861
2004	400	11.5	4,600	47.0	2,162
2005	410	15.4	6,300	61.0	3,843
<b>2006</b>	<b>360</b>	<b>16.7</b>	<b>6,000</b>	<b>74.0</b>	<b>4,440</b>
<b>County:</b>					
<b>Hawaii/Honolulu/Kauai <sup>2</sup></b>					
2002	205	8.0	1,650	39.8	657
2003	150	9.6	1,440	36.4	524
2004	350	11.4	4,000	45.8	1,832
2005	340	16.8	5,720	60.6	3,466
<b>2006 <sup>3</sup></b>					
<b>Maui</b>					
2002	95	6.8	650	51.1	332
2003	60	11.0	660	50.9	336
2004	50	12.0	600	55.0	330
2005	70	8.3	580	65.0	377
<b>2006 <sup>3</sup></b>					

<sup>1</sup> Sum of county estimates may not add to State total due to rounding.

<sup>2</sup> Honolulu and Kauai combined with Hawaii to avoid disclosure of individual operations.

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

**TARO: Number of farms, acreage, marketings, price, and value, by county, 2002-2006**

Year	Farms	Acreage in crop <sup>1</sup>			Marketings			Farm price			Value of sales
		Poi taro	Chinese taro	Total	Fresh	Processed	Total	Poi taro	Chinese taro	All	
	<i>Number</i>	<i>----- Acres -----</i>			<i>----- 1,000 pounds -----</i>			<i>----- Cents per pound -----</i>			<i>1,000 dollars</i>
<b>State</b>											
2002	150	400	30	430	300	5,800	6,100	54.2	51.2	54.0	3,294
2003	150	390	30	420	200	4,800	5,000	53.9	56.3	54.0	2,700
2004	130	360	10	370	100	5,100	5,200	54.0	53.8	54.0	2,808
2005	110	350	10	360	100	4,200	4,300	54.0	54.0	54.0	2,322
<b>2006</b>	<b>105</b>	<b>360</b>	<b>20</b>	<b>380</b>	<b>100</b>	<b>4,400</b>	<b>4,500</b>	<b>56.8</b>	<b>65.5</b>	<b>57.0</b>	<b>2,565</b>
<b>County:</b>											
<b>Hawaii</b>											
2002	50	60	20	80	200	550	750	61.4	48.4	55.3	415
2003	40	55	15	70	130	450	580	59.7	54.9	57.8	335
2004	30	50	10	60	100	400	500	60.0	53.1	57.5	288
2005	30	40	10	50	60	240	300	57.6	50.0	56.1	168
<b>2006</b>	<b>25</b>	<b>55</b>	<b>10</b>	<b>65</b>	<b>70</b>	<b>220</b>	<b>290</b>	<b>61.0</b>	<b>65.5</b>	<b>62.1</b>	<b>180</b>
<b>Honolulu/Maui<sup>2</sup></b>											
2002	35	90	10	100	60	1,190	1,250	54.6	67.2	55.2	690
2003	40	85	15	100	50	1,050	1,100	54.7	61.6	55.0	605
2004	35	75	*	75	*	800	800	55.1	<sup>3</sup>	55.1	441
2005	30	75	*	75	40	860	900	56.6	60.0	56.8	511
<b>2006</b>	<b>35</b>	<b>80</b>	<b>10</b>	<b>90</b>	<b>30</b>	<b>880</b>	<b>910</b>	<b>62.5</b>	<b>65.5</b>	<b>62.6</b>	<b>570</b>
<b>Kauai</b>											
2002	65	250	*	250	40	4,060	4,100	53.4	<sup>3</sup>	53.4	2,189
2003	70	250	*	250	20	3,300	3,320	53.0	<sup>3</sup>	53.0	1,760
2004	65	235	*	235	*	3,900	3,900	53.3	<sup>3</sup>	53.3	2,079
2005	50	235	*	235	*	3,100	3,100	53.0	<sup>3</sup>	53.0	1,643
<b>2006</b>	<b>45</b>	<b>225</b>	<b>*</b>	<b>225</b>	<b>*</b>	<b>3,300</b>	<b>3,300</b>	<b>55.0</b>	<b><sup>3</sup></b>	<b>55.0</b>	<b>1,815</b>

\* = Less than 5 acres or 5,000 pounds.

<sup>1</sup> Survey conducted in November each year. Does not include acreage used primarily for leaf production.

<sup>2</sup> Maui combined with Honolulu to avoid disclosure of individual operations.

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

**TOMATOES: Acreage, yield, production, price, and value, State of Hawaii, 2002-2006**

Year	Harvested acres	Yield per acre	Production	Farm price	Value of sales
		----- 1,000 pounds -----		Cents per pound	1,000 dollars
2002	580	30.2	17,500	55.0	9,625
2003	560	31.3	17,500	58.0	10,150
2004	600	28.0	16,800	66.0	11,088
2005	660	21.5	14,200	69.0	9,798
<b>2006</b>	<b>700</b>	<b>21.0</b>	<b>14,700</b>	<b>77.0</b>	<b>11,319</b>

**TOMATOES: Acreage, production, and price, State of Hawaii, 2002-2006**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
<b>Harvested acres</b> <sup>1</sup>													
2002	60	60	61	62	62	51	53	48	48	46	55	56	580
2003	55	57	59	56	55	54	54	54	52	59	62	62	560
2004	61	59	52	52	52	51	48	47	49	59	58	59	600
2005	46	61	55	55	55	55	53	53	68	66	68	64	660
<b>2006</b>	<b>68</b>	<b>71</b>	<b>70</b>	<b>69</b>	<b>62</b>	<b>57</b>	<b>58</b>	<b>58</b>	<b>58</b>	<b>66</b>	<b>67</b>	<b>66</b>	<b>700</b>
<b>Production – 1,000 pounds</b>													
2002	1,370	1,431	1,553	1,412	1,460	1,491	1,543	1,534	1,481	1,383	1,352	1,490	17,500
2003	1,407	1,350	1,386	1,468	1,503	1,478	1,564	1,497	1,438	1,517	1,529	1,363	17,500
2004	1,440	1,070	1,441	1,443	1,748	1,324	1,678	1,453	1,323	1,527	1,079	1,274	16,800
2005	785	811	1,144	1,476	1,487	1,081	1,128	1,310	1,343	1,053	1,141	1,441	14,200
<b>2006</b>	<b>1,286</b>	<b>1,181</b>	<b>986</b>	<b>1,158</b>	<b>956</b>	<b>911</b>	<b>1,641</b>	<b>1,444</b>	<b>1,570</b>	<b>1,254</b>	<b>1,316</b>	<b>997</b>	<b>14,700</b>
<b>Farm price – cents per pound</b>													
2002	64.3	48.3	55.5	57.0	59.5	57.3	51.8	48.5	42.4	51.2	58.7	66.7	55.0
2003	65.6	58.9	60.2	54.3	52.7	57.1	57.1	53.6	54.0	60.9	61.2	60.9	58.0
2004	59.3	64.4	72.4	65.6	71.6	61.9	44.1	55.5	60.0	74.8	80.0	89.7	66.0
2005	76.9	71.6	68.6	73.0	64.0	76.2	68.0	66.3	61.9	69.1	65.8	71.3	69.0
<b>2006</b>	<b>77.9</b>	<b>77.1</b>	<b>74.1</b>	<b>74.8</b>	<b>77.6</b>	<b>80.4</b>	<b>62.7</b>	<b>63.3</b>	<b>80.8</b>	<b>98.7</b>	<b>90.6</b>	<b>69.6</b>	<b>77.0</b>

<sup>1</sup> Sum of monthly data exceeds total because harvest period longer than 1 month.

# PROCESSED CHINESE CABBAGE AND DAIKON, WATERCRESS



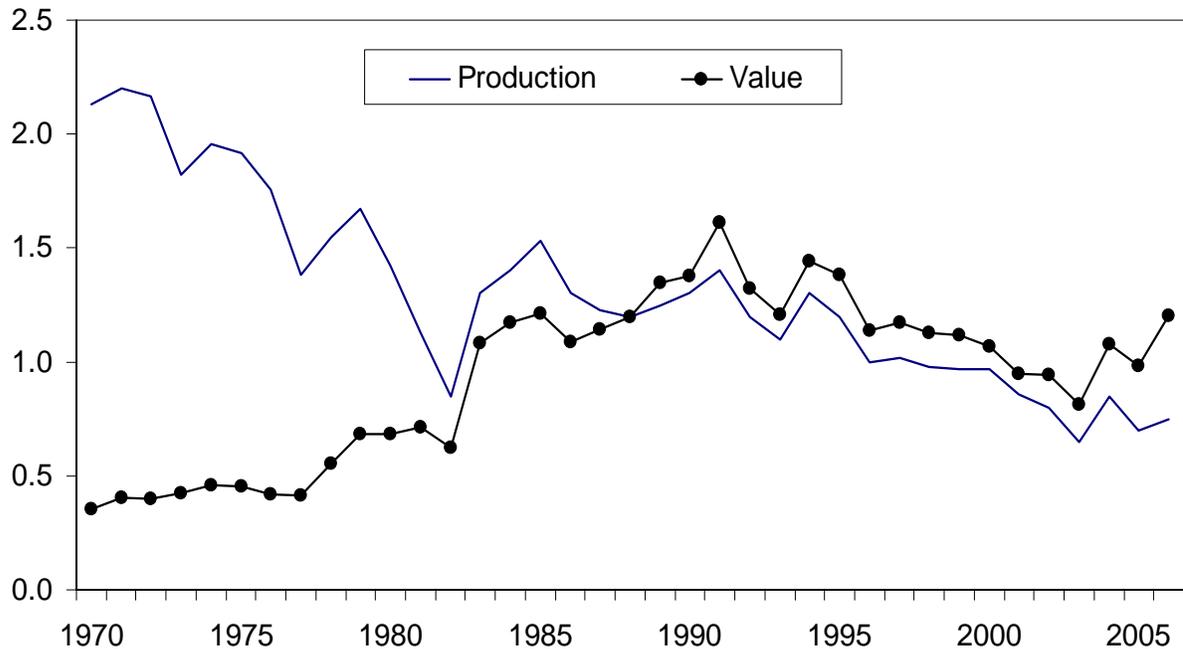
## PROCESSED CHINESE CABBAGE AND DAIKON: Quantity processed, price, and value, State of Hawaii, 2002-2006

Year	Chinese cabbage			Daikon		
	Quantity processed	Farm price	Value of sales	Quantity processed	Farm price	Value of sales
	1,000 pounds	Cents per pound	1,000 dollars	1,000 pounds	Cents per pound	1,000 dollars
2002	1,100	24.0	264	400	30.0	120
2003	1,200	23.0	276	400	31.0	124
2004 <sup>1</sup>						
2005 <sup>1</sup>						
<b>2006<sup>1</sup></b>						

<sup>1</sup> Beginning 2004, estimates have been discontinued due to insufficient data.

## WATERCRESS: Production and Farm Value, State of Hawaii, 1970-2006

Million pounds and dollars



## WATERCRESS: Acreage, production, price, and value, State of Hawaii, 2002-2006

Year	Acreage in crop	Production	Farm price	Value of sales
	Acres	1,000 pounds	Cents per pound	1,000 dollars
2002	35	800	118.0	944
2003	30	650	125.0	812
2004	30	850	127.0	1,080
2005	35	700	140.0	981
<b>2006</b>	<b>35</b>	<b>750</b>	<b>160.0</b>	<b>1,201</b>



# WATERMELONS

## WATERMELONS: Acreage, yield, production, price, and value, by county, 2002-2006

Year	Harvested acres	Yield per acre ----- 1,000 pounds -----	Production	Farm price Cents per pound	Value of sales 1,000 dollars
<b>State<sup>1</sup></b>					
2002	550	20.5	11,300	26.0	2,938
2003	450	26.4	11,900	24.0	2,856
2004	510	19.8	10,100	24.0	2,424
2005	450	25.1	11,300	27.0	3,051
<b>2006</b>	<b>590</b>	<b>17.6</b>	<b>10,400</b>	<b>28.0</b>	<b>2,912</b>
<b>County:</b>					
<b>Hawaii/Kauai/Maui<sup>2</sup></b>					
2002	30	10.0	300	33.3	100
2003	40	5.3	210	29.3	62
2004	125	4.8	600	24.0	144
2005 <sup>3</sup>					
<b>2006<sup>3</sup></b>					
<b>Honolulu</b>					
2002	520	21.2	11,000	25.8	2,838
2003	410	28.5	11,690	23.9	2,794
2004	385	24.7	9,500	24.0	2,280
2005 <sup>3</sup>					
<b>2006<sup>3</sup></b>					

<sup>1</sup> Sum of county estimates may not add to State total due to rounding.

<sup>2</sup> Kauai and Maui combined with Hawaii to avoid disclosure of individual operations.

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





## OTHER VEGETABLES: Acreage, yield, production, price, and value, State of Hawaii, 2002-2006

Crop and year	Harvested acres	Yield per acre	Production	Farm price	Value of sales
		----- 1,000 pounds -----		Cents per pound	1,000 dollars
<b>Bittermelon</b>					
2002	20	10.0	200	90.0	180
2003	15	14.7	220	70.0	154
2004	20	12.5	250	80.0	200
2005	30	8.3	250	93.0	233
<b>2006</b>	<b>25</b>	<b>7.2</b>	<b>180</b>	<b>80.0</b>	<b>144</b>
<b>Broccoli</b>					
2002	150	3.7	550	68.0	374
2003	170	4.4	750	60.0	450
2004	125	4.0	500	67.0	335
2005	125	4.8	600	73.0	438
<b>2006</b>	<b>60</b>	<b>5.5</b>	<b>330</b>	<b>84.0</b>	<b>277</b>
<b>Cabbage, mustard</b>					
2002	130	10.8	1,400	51.0	714
2003	130	10.0	1,300	52.0	676
2004	155	9.0	1,400	58.0	812
2005	110	12.7	1,400	56.0	784
<b>2006</b>	<b>115</b>	<b>12.2</b>	<b>1,400</b>	<b>58.0</b>	<b>812</b>
<b>Pumpkins</b>					
2002	80	5.0	400	40.0	160
2003	70	12.1	850	48.0	408
2004	40	6.3	250	58.0	145
2005	35	2.3	80	63.0	50
<b>2006</b>	<b>25</b>	<b>11.6</b>	<b>290</b>	<b>60.0</b>	<b>174</b>
<b>Radish</b>					
2002	10	10.0	100	55.0	55
2003 <sup>1</sup>					
2004 <sup>1</sup>					
2005 <sup>1</sup>					
<b>2006<sup>1</sup></b>					
<b>Squash, Oriental (Hyotan and Togan)</b>					
2002	10	25.0	250	41.0	103
2003	10	20.0	200	46.0	92
2004	50	13.0	650	53.0	345
2005	40	11.3	450	55.0	247
<b>2006</b>	<b>40</b>	<b>10.0</b>	<b>400</b>	<b>46.0</b>	<b>184</b>

<sup>1</sup> Data not shown to avoid disclosure of individual operations.



## 2006 CATTLE, MILK, AND HOG HIGHLIGHTS

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### ◆ Cattle

Marketings during 2006 totaled 34.5 million pounds (live weight). This was 15 percent more than in 2005 as both the number sold and average live weight increased in 2006.

Exports of cattle and calves totaled 46,000 head in 2006, up 10 percent from 2005 and accounting for 75 percent of all cattle and calf sales. The majority of exports were calves weighing less than 500 pounds, live weight. Local commercial slaughter totaled 10,500 head in 2006, up 14 percent from 2005.

The annual average price ranchers received for all cattle and calves marketed in 2006 was \$76.70 per hundredweight (live weight), up \$1.40 per hundredweight from 2005. The higher farm price combined with the increase in pounds sold resulted in total farm revenues of \$26.5 million in 2006, up 17 percent from 2005.

The inventory of cattle and calves on Hawaii ranches totaled 158,000 head on January 1, 2007. This represents a decrease of 2 percent from 2006, but was the second highest January 1 inventory total over the past seven years.

### ◆ Milk

Dairy cows produced 57.0 million pounds of milk in 2006, down 18 percent from the previous year. The cow herd dropped 20 percent from 2005 to 4,300 head in 2006. Cows produced an average of 13,256 pounds of milk in 2006, up an average of 367 pounds per cow from 2005.

In 2006, producers received \$26.00 per hundredweight for milk sold, down \$1.00 per hundredweight from the 2005 average of \$27.00 per hundredweight. Revenues at the farm gate level totaled \$14.5 million in 2006, down 21 percent from 2005. Milkfat averaged 3.36 percent in 2006, down from the 3.40 percent averaged in 2005.

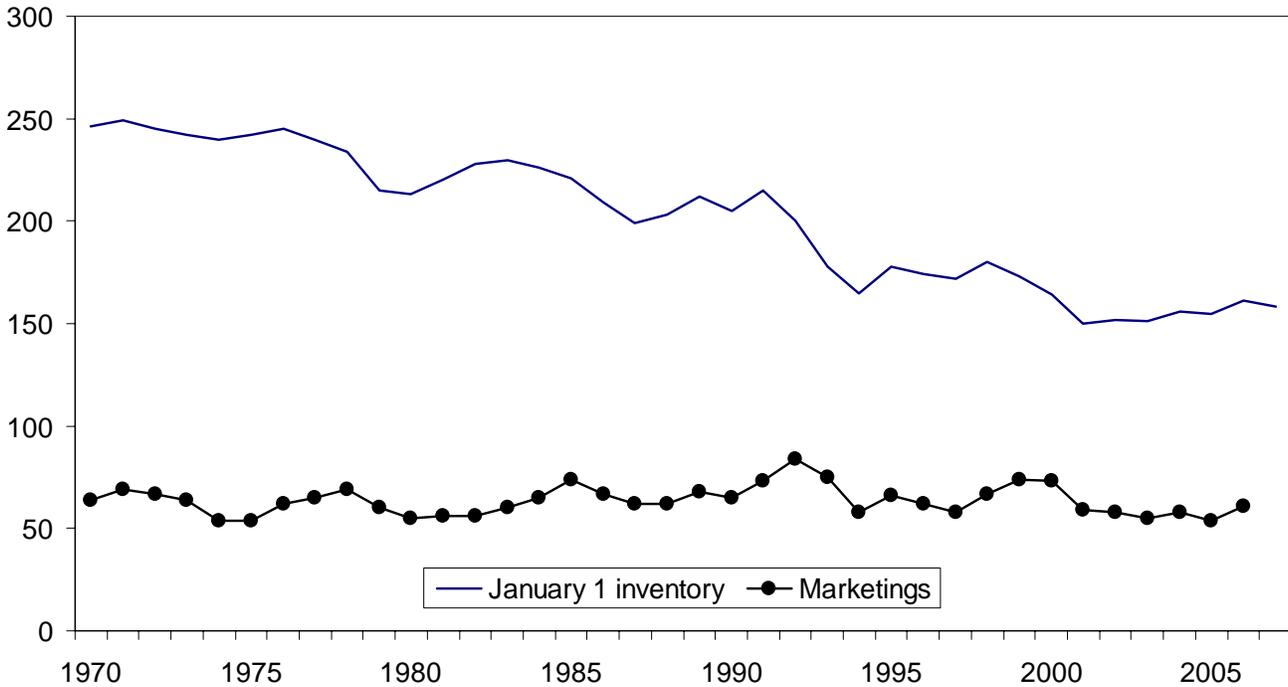
### ◆ Hogs and Pigs

Hog marketings during 2006 totaled 4.5 million pounds (live weight), down 12 percent from 2005. The number of hogs marketed decreased 12 percent to 23,000 head in 2006. However, the average farm price increased 3 percent to a live weight price of \$92.70 per hundredweight. The rise in farm price could not offset the decline in pounds sold; and as a result, total value of sales declined 9 percent to \$4.2 million in 2006.

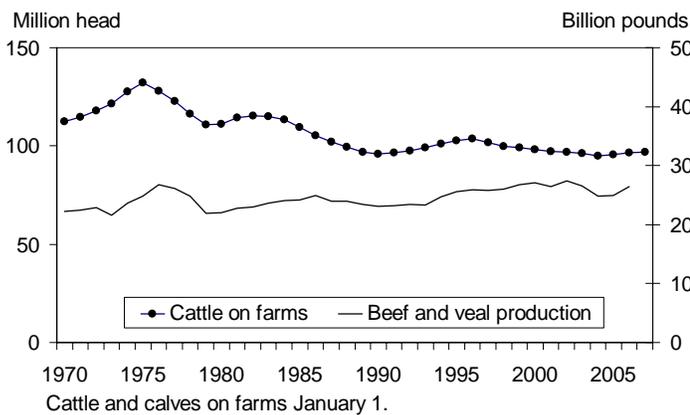


## Cattle Inventory and Marketings, State of Hawaii, 1970-2007

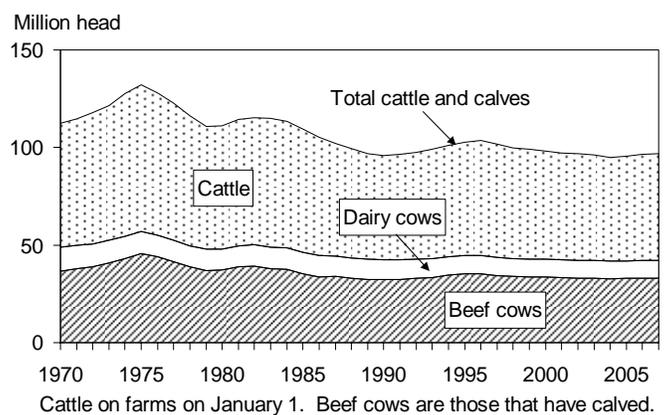
Thousand head



### U.S. Cattle Numbers and Beef Production



### U.S. Cattle on Farms



**CATTLE AND CALVES: January 1 inventory by sex classes and weight, by county, 2003-2007**

Year	All cattle and calves	All cows and heifers that have calved			Heifers 500 pounds and over				Steers 500 lbs. and over	Bulls 500 lbs. and over	Steers, heifers, and bulls under 500 lbs.
		Total	Beef cows	Milk cows	Total	Beef cow replacements	Milk cow replacements	Other			
<i>1,000 head</i>											
<b>State <sup>1</sup></b>											
2003	151	86	79	7	21	12	3	6	7	5	32
2004	156	88	82	6	20	12	2	6	7	5	36
2005	155	87	81.3	5.7	22	15	2	5	7	5	34
2006	161	92	87.4	4.6	22	15	2	5	7	5	35
<b>2007</b>	<b>158</b>	<b>89</b>	<b>85.2</b>	<b>3.8</b>	<b>21</b>	<b>15</b>	<b>1</b>	<b>5</b>	<b>8</b>	<b>5</b>	<b>35</b>
<b>County:</b>											
<b>Hawaii</b>											
2003	113.0	64.7	61.4	3.3	14.6	9.4	1.6	3.7	4.4	3.9	25.3
2004	115.4	66.4	63.2	3.2	14.8	8.8	1.5	4.5	4.1	3.7	26.4
2005	116.0	64.4	61.4	3.0	16.2	11.7	1.2	3.3	4.5	3.7	27.2
2006	119.3	69.5	67.1	2.4	15.6	11.9	1.1	2.6	3.7	3.9	26.6
<b>2007</b>	<b>117.2</b>	<b>67.6</b>	<b>65.4</b>	<b>2.2</b>	<b>15.5</b>	<b>11.9</b>	<b>.9</b>	<b>2.7</b>	<b>3.9</b>	<b>3.8</b>	<b>26.4</b>
<b>Honolulu</b>											
2003	8.8	5.3	2.0	3.3	1.6	.3	1.0	.3	.4	.2	1.3
2004	10.6	6.2	3.0	3.2	1.5	.3	.9	.3	.6	.2	2.1
2005	8.0	5.1	2.4	2.7	1.2	.5	.5	.2	.3	.1	1.3
2006	8.2	5.0	2.8	2.2	1.2	.5	.6	.1	.4	.2	1.4
<b>2007</b>	<b>7.1</b>	<b>4.1</b>	<b>2.5</b>	<b>1.6</b>	<b>.9</b>	<b>.5</b>	<b>.3</b>	<b>.1</b>	<b>.3</b>	<b>.1</b>	<b>1.7</b>
<b>Kauai</b>											
2003	10.4	5.4	5.4	*	2.0	1.2	0	.8	1.0	.4	1.6
2004	11.6	5.4	5.4	*	2.0	1.2	0	.8	1.1	.4	2.7
2005	12.0	6.3	6.3	*	1.9	1.1	0	.8	1.2	.4	2.2
2006	11.9	6.0	6.0	*	1.7	.9	0	.8	1.1	.3	2.8
<b>2007</b>	<b>12.0</b>	<b>5.8</b>	<b>5.8</b>	<b>*</b>	<b>1.7</b>	<b>.9</b>	<b>0</b>	<b>.8</b>	<b>1.0</b>	<b>.4</b>	<b>3.1</b>
<b>Maui</b>											
2003	18.8	10.6	10.6	*	2.5	1.4	0	1.1	1.0	.6	4.1
2004	18.4	10.6	10.6	*	2.0	1.3	0	.7	.8	.6	4.4
2005	19.0	11.2	11.2	*	2.5	1.5	0	1.0	1.2	.6	3.5
2006	21.6	11.5	11.5	*	3.3	2.1	0	1.2	2.0	.6	4.2
<b>2007</b>	<b>21.7</b>	<b>11.5</b>	<b>11.5</b>	<b>*</b>	<b>2.9</b>	<b>1.9</b>	<b>0</b>	<b>1.0</b>	<b>2.6</b>	<b>.8</b>	<b>3.9</b>

\* = Less than 50.

<sup>1</sup> Sum of county estimates may not add to State total due to rounding.

**CATTLE AND CALVES: Number of operations, number and pounds sold, price, and value, by county, 2002-2006**

Year	Operations	Number sold <sup>1 2</sup>		Pounds sold (live weight) <sup>3</sup>	Farm price (live weight) <sup>4</sup>	Value of sales <sup>2</sup>
	<i>Number</i>	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>Dollars per hundredweight</i>	<i>1,000 dollars</i>	
<b>State</b>						
2002	750	58	34,010	53.90	18,326	
2003	750	55	29,570	58.10	17,192	
2004	800	58	34,750	64.80	22,534	
2005	800	54	29,930	75.30	22,548	
<b>2006</b>	<b>800</b>	<b>61</b>	<b>34,510</b>	<b>76.70</b>	<b>26,452</b>	
<b>County:</b>						
<b>Hawaii</b>						
2002	440	44.1	25,399	54.00	13,724	
2003	440	45.7	23,167	59.60	13,811	
2004	470	44.3	25,213	66.90	16,873	
2005	470	41.1	21,018	79.90	16,790	
<b>2006</b>	<b>470</b>	<b>46.4</b>	<b>24,911</b>	<b>79.50</b>	<b>19,809</b>	
<b>Honolulu</b>						
2002	50	1.6	1,323	43.20	572	
2003	50	.5	519	39.10	203	
2004	50	1.7	1,166	58.40	681	
2005	50	3.0	2,277	60.70	1,382	
<b>2006</b>	<b>50</b>	<b>3.1</b>	<b>2,360</b>	<b>64.20</b>	<b>1,515</b>	
<b>Kauai</b>						
2002	120	4.2	2,749	52.50	1,442	
2003	120	2.3	1,818	50.20	912	
2004	120	4.8	3,260	60.30	1,965	
2005	120	3.8	2,785	60.60	1,689	
<b>2006</b>	<b>120</b>	<b>3.9</b>	<b>2,683</b>	<b>64.30</b>	<b>1,725</b>	
<b>Maui</b>						
2002	140	8.1	4,539	57.00	2,588	
2003	140	6.5	4,066	55.70	2,266	
2004	160	7.2	5,111	59.00	3,015	
2005	160	6.1	3,850	69.80	2,686	
<b>2006</b>	<b>160</b>	<b>7.6</b>	<b>4,556</b>	<b>74.70</b>	<b>3,403</b>	

<sup>1</sup> Includes custom slaughter for home use on farms where produced and out-of-State sales of cattle and calves, but excludes inter-farm sales.

<sup>2</sup> Sum of county estimates may not add to State total due to rounding.

<sup>3</sup> Excludes custom slaughter for use on farms where produced.

<sup>4</sup> Prices are equivalent delivered slaughterhouse for sales on county of production and delivered shipper's dock for interisland and out-of-State sales.

**CATTLE: Number sold, pounds, price, and value, State of Hawaii, 2002-2006**

Year	Number sold <sup>1</sup>	Pounds sold (live weight) <sup>2</sup>	Farm price (live weight)	Value of sales
	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>Dollars per hundredweight</i>	<i>1,000 dollars</i>
2002	20	18,050	41.40	7,473
2003	14	12,350	41.60	5,138
2004	24	20,470	47.30	9,682
2005	15	13,160	49.00	6,448
<b>2006</b>	<b>20</b>	<b>17,290</b>	<b>52.40</b>	<b>9,060</b>

<sup>1</sup> Includes custom slaughter for home use on farms where produced and out-of-State sales of cattle, but excludes inter-farm sales.

<sup>2</sup> Excludes custom slaughter for use on farms where produced.

**CALVES: Number sold, pounds, price, and value, State of Hawaii, 2002-2006**

Year	Number sold <sup>1</sup>	Pounds sold (live weight) <sup>2</sup>	Farm price (live weight)	Value of sales
	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>Dollars per hundredweight</i>	<i>1,000 dollars</i>
2002	38	15,960	68.00	10,853
2003	41	17,220	70.00	12,054
2004	34	14,280	90.00	12,852
2005	39	16,770	96.00	16,099
<b>2006</b>	<b>41</b>	<b>17,220</b>	<b>101.00</b>	<b>17,392</b>

<sup>1</sup> Includes custom slaughter for home use on farms where produced and out-of-State sales of calves, but excludes inter-farm sales.

<sup>2</sup> Excludes custom slaughter for use on farms where produced.

**CATTLE AND CALVES: Inventory and disposition, State of Hawaii, 2002-2006**

Year	Inventory beginning January 1	Calf crop	Inshipments	Marketings	Farm slaughter	Deaths	Inventory January 1 following year
	<i>1,000 head</i>						
2002	152	63	*	58	1	5	151
2003	151	66	*	55	1	5	156
2004	156	63	*	58	1	5	155
2005	155	66	*	54	1	5	161
<b>2006</b>	<b>161</b>	<b>65</b>	<b>*</b>	<b>61</b>	<b>1</b>	<b>6</b>	<b>158</b>

\* = Less than 500.

**CATTLE AND CALVES: Exports by weight and sex, State of Hawaii, 2002-2006**

Year	Total	By weight category		By sex class		
		Cattle <sup>1</sup>	Calves <sup>2</sup>	Steers	Heifers	Others
	<i>1,000 head</i>					
2002	42	4	38	25	17	NA
2003	44	3	41	25	19	NA
2004	43	9	34	26	17	NA
2005	42	3	39	22	18	2
<b>2006</b>	<b>46</b>	<b>5</b>	<b>41</b>	<b>27</b>	<b>17</b>	<b>2</b>

NA = Not available.

<sup>1</sup> 500 pounds or more.

<sup>2</sup> 499 pounds or less.

**CATTLE: Commercial slaughter and farm price, State of Hawaii, 2002-2006<sup>1</sup>**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
<b>Number of head<sup>2</sup> – 1,000 head</b>													
2002	1.1	.9	1.0	.9	1.0	.9	1.1	1.1	.9	1.0	1.0	.8	11.6
2003	.8	.9	.8	1.0	.9	.9	1.1	.9	.9	.9	.8	.7	10.8
2004	.9	.8	.9	.8	.9	.8	1.0	1.1	.9	.9	.9	.8	10.5
2005	.7	.7	.8	.9	.8	.8	.7	.8	.7	.7	.8	.9	9.2
<b>2006</b>	<b>.8</b>	<b>.8</b>	<b>1.0</b>	<b>.8</b>	<b>1.0</b>	<b>.9</b>	<b>.9</b>	<b>1.0</b>	<b>.9</b>	<b>.9</b>	<b>.7</b>	<b>.8</b>	<b>10.5</b>
<b>Pounds slaughtered, dressed weight<sup>2,3</sup> – 1,000 pounds</b>													
2002	592	488	565	553	544	516	597	646	538	591	567	471	6,668
2003	484	530	485	551	525	488	626	545	525	516	461	441	6,176
2004	570	456	551	472	511	461	599	625	501	502	482	446	6,176
2005	397	385	469	512	453	497	437	504	430	444	456	483	5,466
<b>2006</b>	<b>447</b>	<b>446</b>	<b>567</b>	<b>455</b>	<b>556</b>	<b>525</b>	<b>539</b>	<b>610</b>	<b>535</b>	<b>520</b>	<b>438</b>	<b>450</b>	<b>6,088</b>
<b>Average farm price, dressed weight – cents per pound</b>													
2002	63.5	65.0	63.5	65.0	67.5	65.5	63.0	64.5	63.0	62.5	68.0	71.0	65.0
2003	68.0	66.0	68.0	65.0	69.0	70.5	70.5	69.5	69.5	72.0	73.0	77.5	70.0
2004	71.0	74.0	74.5	72.5	72.0	79.0	72.0	71.0	76.0	76.5	75.0	80.0	74.0
2005	81.5	79.5	77.5	77.0	80.5	83.5	82.5	80.5	82.0	82.0	84.0	79.5	80.5
<b>2006</b>	<b>77.0</b>	<b>82.5</b>	<b>80.5</b>	<b>80.0</b>	<b>81.0</b>	<b>79.5</b>	<b>78.0</b>	<b>80.5</b>	<b>79.5</b>	<b>79.0</b>	<b>82.5</b>	<b>81.5</b>	<b>80.0</b>

<sup>1</sup> Includes custom slaughter for home use.

<sup>2</sup> Sum of monthly estimates may not add to annual total due to rounding.

<sup>3</sup> To convert dressed weight to live weight, divide dressed weight by 0.549 or multiply by a factor of 1.8215.

**CATTLE: Local marketings and farm price, State of Hawaii, 1994-2006<sup>1</sup>**

Year	Steers and heifers				Cows			
	Marketings (dressed weight)	Average price		Marketings (dressed weight)	Average price			
		Live weight <sup>2</sup>	Dressed weight		Live weight <sup>2</sup>	Dressed weight		
	1,000 pounds	----- Cents per pound -----		1,000 pounds	----- Cents per pound -----			
1994	3,818	47.6	87.0	4,478	32.9	60.0		
1995	2,596	<sup>3</sup> 49.2	89.5	4,529	29.8	54.5		
1996	3,777	47.3	86.0	5,486	27.5	50.0		
1997	3,762	47.1	86.0	5,029	28.8	52.5		
1998	4,337	45.6	83.0	6,282	27.2	49.5		
1999	2,980	44.8	81.5	4,620	27.6	50.0		
2000	5,308	44.3	80.5	4,501	27.4	50.0		
2001	2,692	50.9	92.5	3,060	28.7	52.5		
2002	<sup>3</sup> 5,040	47.8	87.0	<sup>3</sup> 2,877	29.0	53.0		
2003	3,067	50.1	91.5	1,891	27.6	50.5		
2004	6,023	<sup>3</sup> 52.4	<sup>3</sup> 95.5	<sup>3</sup> 1,652	27.7	50.5		
2005	4,505	55.2	100.5	1,086	27.8	50.5		
<b>2006</b>	<b>5,553</b>	<b>60.3</b>	<b>110.0</b>	<b>1,741</b>	<b>29.2</b>	<b>53.0</b>		

<sup>1</sup> Excludes out-of-State shipments.

<sup>2</sup> Live weight average price is derived by dividing the unrounded average dressed weight price by 1.8215 or multiplying by 0.549.

<sup>3</sup> Revised.

**MILK: Number of operations, number of milk cows, production, sales, price, and value, by county, 2002-2006**

Year	Operations <sup>1</sup>	Annual average milk cows	Milk per cow	Production <sup>2</sup>	Sold <sup>2</sup>	Average price <sup>3</sup>	Value of sales
	----- Number -----		Pounds	----- Million pounds -----		Dollars per hundredweight	1,000 dollars
<b>State</b>							
2002	30	6,600	14,667	96.8	95.2	23.60	22,467
2003	30	6,500	14,154	92.0	90.5	23.70	21,449
2004	30	6,100	13,197	80.5	78.5	25.70	20,175
2005	30	5,400	12,889	69.6	68.1	27.00	18,387
<b>2006</b>	<b>30</b>	<b>4,300</b>	<b>13,256</b>	<b>57.0</b>	<b>55.8</b>	<b>26.00</b>	<b>14,508</b>
<b>County:</b>							
<b>Hawaii/Kauai <sup>4</sup></b>							
2002	24	3,100	11,484	35.6	34.3	23.50	8,066
2003	24	3,200	11,000	35.2	33.9	23.40	7,947
2004 <sup>5</sup>							
2005 <sup>5</sup>							
<b>2006 <sup>5</sup></b>							
<b>Honolulu</b>							
2002	6	3,500	17,486	61.2	60.9	23.70	14,401
2003	6	3,300	17,212	56.8	56.6	23.90	13,502
2004 <sup>5</sup>							
2005 <sup>5</sup>							
<b>2006 <sup>5</sup></b>							

<sup>1</sup> Includes commercial, licensed dairies as well as farms with only a few cows.

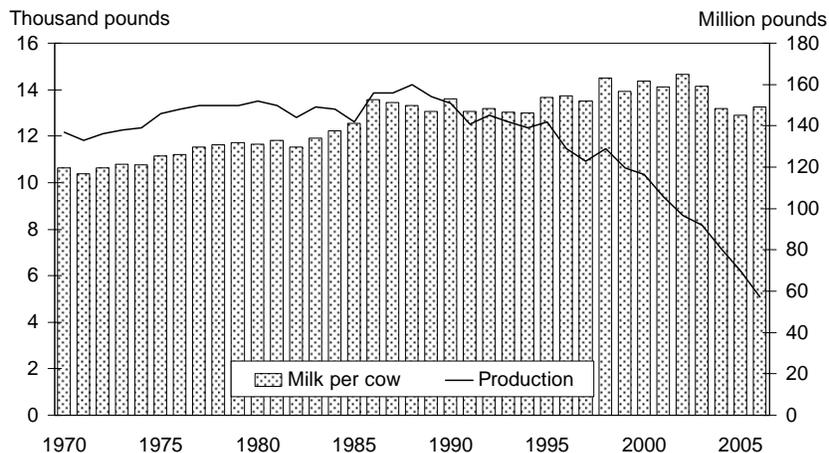
<sup>2</sup> Difference between "Production" and "Sold" is milk used on farms for human consumption, fed to calves or other uses.

<sup>3</sup> Rounded to the nearest dime.

<sup>4</sup> Kauai combined with Hawaii to avoid disclosure of individual operations.

<sup>5</sup> Data not shown separately to avoid disclosure of individual operations but combined and included in the State total.

**MILK: Production and Milk per Cow Annual Basis, State of Hawaii, 1970-2006**



**MILK: Number of cows, milk production, price, and milkfat, State of Hawaii, 2002-2006**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
<b>Average number of milk cows on hand during month – 1,000 head</b>													
2002	6.7	6.7	6.7	6.8	6.7	6.7	6.7	6.4	6.4	6.5	6.6	6.6	6.6
2003	6.6	6.6	6.5	6.4	6.5	6.3	6.4	6.5	6.6	6.6	6.6	6.5	6.5
2004	6.5	6.5	6.4	6.4	6.2	6.1	6.0	5.9	6.0	5.8	5.7	5.8	6.1
2005	5.8	5.7	5.6	5.5	5.4	5.2	5.3	5.4	5.3	5.2	5.1	5.0	5.4
<b>2006</b>	<b>4.6</b>	<b>4.4</b>	<b>4.4</b>	<b>4.5</b>	<b>4.3</b>	<b>4.3</b>	<b>4.3</b>	<b>4.2</b>	<b>4.2</b>	<b>4.1</b>	<b>3.9</b>	<b>3.8</b>	<b>4.3</b>
<b>Average monthly production per all cows in herd – pounds</b>													
2002	1,210	1,150	1,300	1,295	1,315	1,210	1,270	1,235	1,170	1,140	1,120	1,195	14,667
2003	1,225	1,150	1,275	1,265	1,275	1,255	1,250	1,170	1,060	1,060	1,015	1,140	14,154
2004	1,125	1,060	1,205	1,125	1,210	1,230	1,165	1,085	935	985	1,020	1,015	13,197
2005	1,000	980	1,125	1,125	1,205	1,210	1,150	1,095	1,020	1,020	980	1,040	12,889
<b>2006</b>	<b>1,150</b>	<b>1,090</b>	<b>1,180</b>	<b>1,065</b>	<b>1,185</b>	<b>1,140</b>	<b>1,165</b>	<b>1,145</b>	<b>1,050</b>	<b>1,025</b>	<b>1,025</b>	<b>1,185</b>	<b>13,256</b>
<b>Milk production – million pounds</b>													
2002	8.1	7.7	8.7	8.8	8.8	8.1	8.5	7.9	7.5	7.4	7.4	7.9	96.8
2003	8.1	7.6	8.3	8.1	8.3	7.9	8.0	7.6	7.0	7.0	6.7	7.4	92.0
2004	7.3	6.9	7.7	7.2	7.5	7.5	7.0	6.4	5.6	5.7	5.8	5.9	80.5
2005	5.8	5.6	6.3	6.2	6.5	6.3	6.1	5.9	5.4	5.3	5.0	5.2	69.6
<b>2006</b>	<b>5.3</b>	<b>4.8</b>	<b>5.2</b>	<b>4.8</b>	<b>5.1</b>	<b>4.9</b>	<b>5.0</b>	<b>4.8</b>	<b>4.4</b>	<b>4.2</b>	<b>4.0</b>	<b>4.5</b>	<b>57.0</b>
<b>Average price for milk sold to plants – dollars per hundredweight</b>													
2002	24.00	24.10	23.70	23.80	23.70	23.40	23.30	23.30	23.30	23.50	23.70	23.40	23.60
2003	23.40	23.00	22.90	22.60	22.80	22.70	22.90	24.40	25.30	25.30	25.20	24.70	23.70
2004	24.10	23.90	24.20	25.40	28.00	29.40	27.00	25.10	25.00	25.20	25.10	25.30	25.70
2005	28.60	26.90	27.20	27.00	27.40	26.40	26.40	26.90	26.80	26.70	26.80	26.80	27.00
<b>2006</b>	<b>26.80</b>	<b>26.20</b>	<b>25.50</b>	<b>25.10</b>	<b>24.90</b>	<b>24.80</b>	<b>24.90</b>	<b>26.40</b>	<b>26.70</b>	<b>26.90</b>	<b>27.00</b>	<b>26.90</b>	<b>26.00</b>
<b>Average milkfat for milk sold to plants – percent</b>													
2002	3.47	3.46	3.39	3.45	3.46	3.49	3.47	3.50	3.46	3.49	3.52	3.52	3.47
2003	3.47	3.51	3.44	3.41	3.41	3.42	3.47	3.48	3.53	3.59	3.61	3.62	3.49
2004	3.61	3.52	3.53	3.50	3.44	3.43	3.45	3.46	3.56	3.62	3.62	3.58	3.52
2005	3.57	3.47	3.43	3.45	3.40	3.39	3.25	3.33	3.42	3.37	3.36	3.40	3.40
<b>2006</b>	<b>3.37</b>	<b>3.38</b>	<b>3.39</b>	<b>3.41</b>	<b>3.36</b>	<b>3.30</b>	<b>3.37</b>	<b>3.33</b>	<b>3.37</b>	<b>3.38</b>	<b>3.34</b>	<b>3.37</b>	<b>3.36</b>

**HOGS AND PIGS: December 1 inventory by classes and weight, State of Hawaii, 2002-2006**

Year	All hogs and pigs	Breeding	Market				
			Total	Under 60lbs.	60-119 lbs.	120-179 lbs.	180 lbs. and over
<i>1,000 head</i>							
2002	24	5	19	8	5	4	2
2003	23	5	18	8	5	3	2
2004	22	5.2	16.8	7.6	4.4	3.2	1.6
2005	19	5.0	14.0	6.0	3.9	2.4	1.7
<b>2006</b>	<b>16</b>	<b>4.1</b>	<b>11.9</b>	<b>5.5</b>	<b>3.0</b>	<b>2.0</b>	<b>1.4</b>

**HOGS AND PIGS: December 1 inventory by class, by county, 2002-2006**

Year	All hogs and pigs	Breeding	Total market	Year	All hogs and pigs	Breeding	Total market
<i>1,000 head</i>				<i>1,000 head</i>			
<b>County: Hawaii</b>				<b>Kauai</b>			
2002	2.8	.3	2.5	2002	2.1	.3	1.8
2003	2.2	.4	1.8	2003	2.0	.3	1.7
2004	1.4	.3	1.1	2004	2.2	.5	1.7
2005	1.1	.3	.8	2005	2.0	.4	1.6
<b>2006</b>	<b>.9</b>	<b>.3</b>	<b>.6</b>	<b>2006</b>	<b>2.0</b>	<b>.3</b>	<b>1.7</b>
<b>Honolulu</b>				<b>Maui</b>			
2002	12.8	2.8	10.0	2002	6.3	1.6	4.7
2003	13.5	2.7	10.8	2003	5.3	1.3	4.0
2004	13.0	2.5	10.5	2004	5.4	1.9	3.5
2005	11.4	2.8	8.6	2005	4.5	1.5	3.0
<b>2006</b>	<b>9.6</b>	<b>2.5</b>	<b>7.1</b>	<b>2006</b>	<b>3.5</b>	<b>1.0</b>	<b>2.5</b>

**HOGS: Number of operations, number and pounds sold, price, and value,  
by county, 2002-2006**

Year	Operations	Number sold <sup>1</sup>	Pounds sold (live weight) <sup>2</sup>	Farm price (live weight)	Value of sales
	<i>Number</i>	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>Dollars per hundredweight</i>	<i>1,000 dollars</i>
<b>State<sup>3</sup></b>					
2002	210	30	5,700	84.00	4,788
2003	210	27	5,130	84.70	4,345
2004	250	27	5,130	87.00	4,463
2005	230	26	5,070	89.80	4,553
<b>2006</b>	<b>230</b>	<b>23</b>	<b>4,485</b>	<b>92.70</b>	<b>4,158</b>
<b>County:</b>					
<b>Hawaii</b>					
2002	60	3.7	691	81.00	560
2003	60	2.8	530	83.00	440
2004	70	2.6	484	84.00	407
2005	70	1.8	369	86.50	319
<b>2006</b>	<b>70</b>	<b>1.5</b>	<b>303</b>	<b>84.50</b>	<b>256</b>
<b>Honolulu</b>					
2002	70	18.0	3,446	85.90	2,960
2003	70	15.5	3,016	86.00	2,594
2004	80	15.7	3,085	88.00	2,715
2005	70	15.6	3,069	90.00	2,762
<b>2006</b>	<b>70</b>	<b>12.9</b>	<b>2,591</b>	<b>91.50</b>	<b>2,371</b>
<b>Kauai</b>					
2002	30	3.3	528	81.50	430
2003	30	3.3	490	84.50	414
2004	40	3.6	545	88.50	482
2005	30	3.7	643	92.00	592
<b>2006</b>	<b>30</b>	<b>3.7</b>	<b>596</b>	<b>102.50</b>	<b>611</b>
<b>Maui</b>					
2002	50	5.0	1,035	81.00	838
2003	50	5.4	1,094	82.00	897
2004	60	5.1	1,016	84.50	859
2005	60	4.9	989	89.00	880
<b>2006</b>	<b>60</b>	<b>4.9</b>	<b>995</b>	<b>92.50</b>	<b>920</b>

<sup>1</sup> Excludes interfarm sales; includes custom slaughter for home use; includes direct sales on farms to consumers. Excludes live hogs brought in for immediate slaughter.

<sup>2</sup> Excludes custom slaughter for use on farms where produced and interfarm sales.

<sup>3</sup> Sum of county estimates may not add to State total due to rounding. Sales and value data are for the 12-month period, December of the previous year through November of the following year.

**HOGS: Commercial slaughter and farm price, State of Hawaii, 2002-2006**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average
<b>Number of head</b> <sup>1 2</sup> – 1,000 head													
2002	2.7	2.5	2.6	2.7	2.8	2.6	2.8	2.8	2.4	2.6	2.6	3.1	32.1
2003	2.6	2.2	2.3	2.3	2.5	2.5	2.6	2.4	2.2	2.4	2.2	2.9	29.3
2004	2.4	2.0	2.3	2.3	2.3	2.4	2.5	2.5	2.2	2.2	2.3	3.0	28.3
2005	2.0	1.9	2.0	1.9	2.0	1.9	1.9	1.8	1.9	1.7	2.0	2.4	23.5
<b>2006</b>	<b>1.8</b>	<b>1.7</b>	<b>1.8</b>	<b>1.7</b>	<b>2.0</b>	<b>2.2</b>	<b>1.9</b>	<b>2.0</b>	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>	<b>2.2</b>	<b>22.5</b>
<b>Pounds slaughtered, dressed weight</b> <sup>1 2 3</sup> – 1,000 pounds													
2002	415	391	423	419	450	412	433	461	374	428	397	489	5,092
2003	398	347	384	369	395	396	418	377	347	372	343	440	4,583
2004	353	311	338	344	356	359	373	386	331	347	354	447	4,297
2005	302	287	312	299	328	311	318	306	310	285	338	387	3,784
<b>2006</b>	<b>304</b>	<b>276</b>	<b>301</b>	<b>294</b>	<b>333</b>	<b>368</b>	<b>322</b>	<b>336</b>	<b>319</b>	<b>322</b>	<b>301</b>	<b>360</b>	<b>3,836</b>
<b>All hogs, average farm price, dressed weight</b> <sup>4</sup> – cents per pound													
2002	111.5	113.5	111.5	111.5	111.0	111.5	113.5	111.5	112.5	110.0	113.0	114.5	112.0
2003	112.5	113.0	113.0	111.0	112.0	112.0	111.0	111.0	115.0	114.0	114.0	117.0	113.0
2004	115.0	116.5	115.5	114.5	114.5	116.0	116.0	116.5	116.5	117.0	116.5	118.5	116.0
2005	119.5	120.5	120.0	121.0	118.0	119.5	121.5	120.5	118.5	121.0	119.5	122.5	119.5
<b>2006</b>	<b>123.0</b>	<b>125.5</b>	<b>122.5</b>	<b>122.5</b>	<b>124.0</b>	<b>126.5</b>	<b>123.5</b>	<b>122.0</b>	<b>124.5</b>	<b>124.0</b>	<b>127.0</b>		<b>123.5</b>
<b>Market hogs, average farm price, dressed weight</b> <sup>4</sup> – cents per pound													
2002	115.5	116.0	116.5	115.5	115.0	115.5	116.0	116.5	116.5	115.0	117.5	117.0	116.0
2003	116.0	117.0	117.5	117.0	116.5	116.0	117.0	117.0	118.0	118.0	117.5	119.0	117.0
2004	119.0	119.5	119.5	118.5	119.5	119.5	120.0	120.0	121.0	120.5	120.5	123.0	119.5
2005	123.0	124.0	124.0	124.0	124.0	125.5	125.0	125.5	124.5	125.0	124.0	127.5	124.0
<b>2006</b>	<b>127.0</b>	<b>128.5</b>	<b>127.5</b>	<b>126.0</b>	<b>127.0</b>	<b>131.5</b>	<b>130.0</b>	<b>129.5</b>	<b>129.0</b>	<b>128.5</b>	<b>131.5</b>		<b>128.5</b>

<sup>1</sup> Excludes non-inspected farm slaughter; includes custom slaughter and live hog inshipments from the mainland for slaughter.

<sup>2</sup> Sum of monthly estimates may not add to annual total due to rounding.

<sup>3</sup> To convert dressed weight to live weight, divide dressed weight by 0.75 or multiply by a factor of 1.3333.

<sup>4</sup> Annual average price is for the 12-month period, December of the previous year through November of the following year.

**HOGS AND PIGS: Inventory and disposition, State of Hawaii, 2002-2006**

Year	Inventory December 1 previous year	Pig crop	Inshipments <sup>1</sup>	Marketings <sup>1</sup>	Farm slaughter	Deaths	Inventory December 1
1,000 head							
2002	27	32	*	30	1	4	24
2003	24	31	*	27	1	4	23
2004	23	31	*	27	1	4	22
2005	22	28	*	26	1	4	19
<b>2006</b>	<b>19</b>	<b>25</b>	<b>*</b>	<b>23</b>	<b>1</b>	<b>4</b>	<b>16</b>

\* = Less than 500 head.

<sup>1</sup> Excludes live hogs brought in for immediate slaughter.

# 2006 POULTRY AND EGG HIGHLIGHTS



Egg production for 2006 totaled 98.3 million eggs, 14 percent below the 114.5 million eggs produced during 2005. The average number of layers on hand during 2006 was 448,000, down 10 percent from 2005.

The average farm price for a dozen eggs was \$100.0 in 2006, 6 percent higher than the 2005 average farm price of 94.1 cents per dozen. Cash receipts from the sale of eggs during

2006 totaled \$8.2 million, down 9 percent from 2005.

The total number of egg-type chickens on hand in Hawaii on December 1, 2006 was 470,000 birds, 14 percent below 2005. The 470,000 birds consisted of 415,000 layers and 55,000 non-laying pullets. The 415,000 layers were 15 percent less than a year ago.

## CHICKENS: December 1 inventory by class, by county, 2002-2006

Year	All chickens (excluding broilers)	Number of layers			Non-laying pullets		Other chickens (excluding broilers)
		Hens 1 year +	Pullets under 1 year	Total	Over 3 months	Under 3 months	
<i>Thousands</i>							
<b>State</b>							
2002	625	381	142	523	44	58	*
2003	600	357	129	486	67	47	*
2004	598	349	158	507	44	47	*
2005	547	369	117	486	25	36	*
<b>2006</b>	<b>470</b>	<b>293</b>	<b>122</b>	<b>415</b>	<b>20</b>	<b>35</b>	*
<b>County:</b>							
<b>Hawaii/Kauai/Maui<sup>1</sup></b>							
2002	130	89	37	126	0	4	*
2003	118	100	11	111	5	2	*
2004	131	78	48	126	5	0	*
2005	104	67	30	97	3	4	*
<b>2006<sup>2</sup></b>							
<b>Honolulu</b>							
2002	495	292	105	397	44	54	*
2003	482	257	118	375	62	45	*
2004	467	271	110	381	39	47	*
2005	443	302	87	389	22	32	*
<b>2006<sup>2</sup></b>							

\* = Less than 500.

<sup>1</sup> Kauai and Maui combined with Hawaii to avoid disclosure of individual operations.

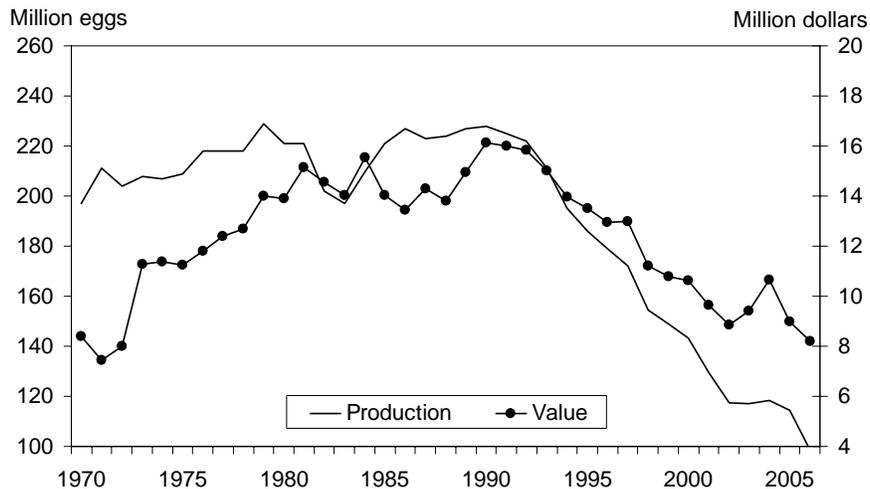
<sup>2</sup> Data not shown separately to avoid disclosure of individual operations but combined and included in the State total.

**EGGS: December 1 number of operations, number of layers, production, price, and value, by county, 2002-2006<sup>1</sup>**

Year	Operations	Average number of layers	Average production per layer	Production <sup>2</sup>	Average price <sup>3</sup>	Value of sales
	<i>Number</i>	<i>1,000 birds</i>	<i>Eggs</i>	<i>Million eggs</i>	<i>Cents per dozen</i>	<i>1,000 dollars</i>
<b>State<sup>4</sup></b>						
2002	80	539	218	117.5	90.4	<sup>5</sup> 8,852
2003	80	507	231	117.2	96.2	9,396
2004	80	500	237	118.5	108.0	<sup>5</sup> 10,670
2005	80	498	230	114.5	94.1	8,979
<b>2006</b>	<b>80</b>	<b>448</b>	<b>219</b>	<b>98.3</b>	<b>100.0</b>	<b>8,192</b>
<b>County:</b>						
<b>Hawaii/Kauai/Maui<sup>6</sup></b>						
2002	65	126	229	28.9	105.5	2,540
2003	65	116	251	29.1	107.5	2,607
2004	65	122	227	27.7	110.0	2,539
2005	65	112	220	24.8	110.0	2,274
<b>2006<sup>7</sup></b>						
<b>Honolulu</b>						
2002	15	413	215	88.6	85.5	<sup>5</sup> 6,312
2003	15	391	225	88.1	92.5	6,789
2004	15	378	240	90.8	107.5	<sup>5</sup> 8,131
2005	15	386	232	89.7	89.5	6,705
<b>2006<sup>7</sup></b>						

<sup>1</sup> Annual number of layers, egg production, sales, price, and value are for the 12-month period, December of the previous year through November of the following year. <sup>2</sup> Home consumption less than 0.5 million eggs included. <sup>3</sup> Equivalent delivered processing plant. <sup>4</sup> Sum of county estimates may not add to State total due to rounding. <sup>5</sup> Revised. <sup>6</sup> Kauai and Maui combined with Hawaii to avoid disclosure of individual operations. <sup>7</sup> Data not shown separately to avoid disclosure of individual operations but combined and included in the State total.

**EGGS: Production and Value of Sales, State of Hawaii, 1970-2006**



**EGGS: Number of layers, production, and price, State of Hawaii, 2002-2006**

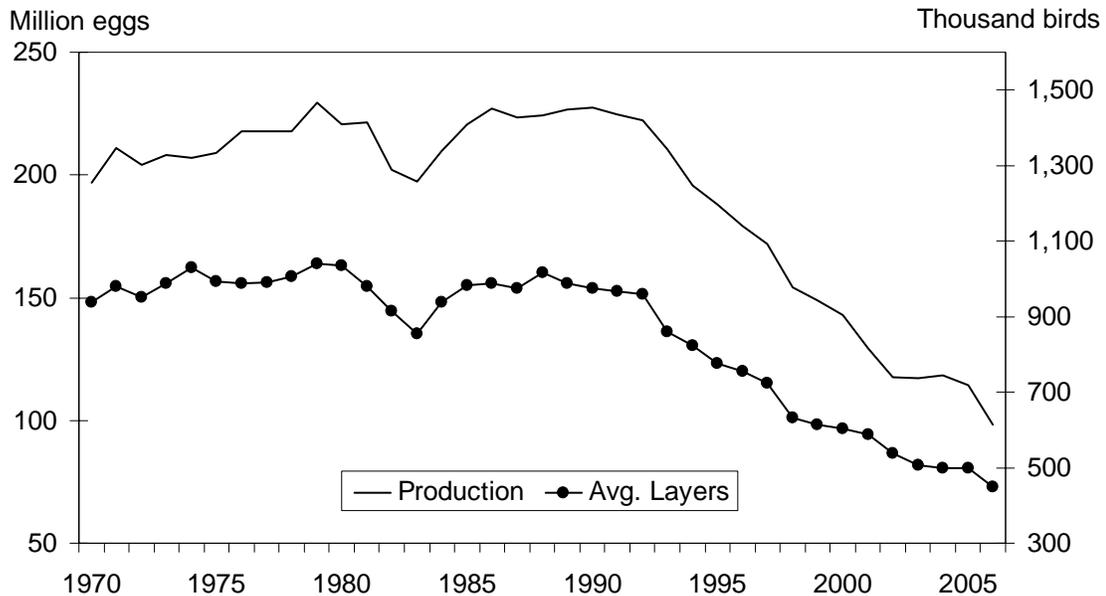
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average <sup>1</sup>
<b>Average number of layers on hand during month – 1,000 layers</b>													
2002	547	538	543	545	524	532	540	538	537	537	534	532	539
2003	526	509	519	514	487	494	504	505	499	500	499	482	507
2004	492	501	504	505	502	504	495	497	501	505	512	512	500
2005	511	500	506	504	486	488	487	491	496	496	495	479	498
<b>2006</b>	<b>478</b>	<b>475</b>	<b>467</b>	<b>461</b>	<b>446</b>	<b>445</b>	<b>438</b>	<b>429</b>	<b>427</b>	<b>419</b>	<b>417</b>		<b>448</b>
<b>Egg production<sup>2</sup> – million eggs</b>													
2002	10.0	9.0	10.3	10.1	9.9	9.6	10.0	9.6	9.1	9.8	9.8	10.0	117.5
2003	10.2	9.0	10.0	10.0	9.8	9.3	9.7	10.0	9.7	9.9	9.6	9.7	117.2
2004	9.7	9.3	10.5	10.3	10.2	9.7	10.0	10.0	9.5	9.9	9.7	10.1	118.5
2005	10.4	9.4	10.1	9.4	9.4	9.3	9.9	9.5	8.8	9.2	9.0	8.8	114.5
<b>2006</b>	<b>8.8</b>	<b>7.9</b>	<b>8.7</b>	<b>8.3</b>	<b>8.3</b>	<b>8.2</b>	<b>8.6</b>	<b>8.2</b>	<b>7.6</b>	<b>7.6</b>	<b>7.3</b>		<b>98.3</b>
<b>Average farm price<sup>3</sup> – cents per dozen</b>													
2002	91.5	91.5	90.5	91.0	89.5	89.5	90.0	90.0	88.5	90.0	92.0	93.0	90.4
2003	94.0	94.5	95.5	97.5	98.5	97.5	97.0	97.5	94.5	96.0	99.5	101.5	96.2
2004	106.5	110.0	113.5	115.0	114.0	110.0	109.0	107.5	105.5	103.0	100.0	97.0	108.0
2005	99.5	98.0	94.0	94.0	88.5	88.5	91.5	89.5	87.0	102.5	98.5	106.5	94.1
<b>2006</b>	<b>108.0</b>	<b>104.5</b>	<b>95.0</b>	<b>100.0</b>	<b>98.0</b>	<b>97.0</b>	<b>97.0</b>	<b>93.5</b>	<b>98.5</b>	<b>100.5</b>	<b>101.0</b>		<b>100.0</b>

<sup>1</sup> Annual data are for the 12-month period, December of the previous year through November of the following year.

<sup>2</sup> Sum of monthly estimates may not add to annual total due to rounding.

<sup>3</sup> Equivalent delivered processing plant.

**CHICKENS: Production and Average Number of Layers, State of Hawaii, 1970-2006**





# EQUINE, GOATS, HONEY AND BEESWAX, SHEEP

## EQUINE: January 1 inventory and number sold, State of Hawaii, 1992-2002

Year	Inventory	Number sold
<i>1,000 head</i>		
1992	4.0	.2
1997	5.1	.2
<b>2002</b>	<b>4.6</b>	<b>.3</b>

Source: Census of Agriculture. Data just for on-farm equine, excludes non-farm equine.

## GOATS: January 1 inventory and number sold, State of Hawaii, 1992-2002

Year	Inventory	Number sold
<i>1,000 head</i>		
1992	5.0	3.0
1997	3.3	3.6
<b>2002</b>	<b>5.4</b>	<b>4.2</b>

Source: Census of Agriculture.

## HONEY AND BEESWAX: Number of operations, colonies, yield, production, price, and value, State of Hawaii, 2002-2006

Year	Operations	Number of colonies	Yield per colony (honey)	Production		Average price <sup>1</sup>		Value of production	
				Honey (extracted)	Beeswax	Honey (extracted)	Beeswax	Honey (extracted)	Beeswax
	<i>Number</i>	<i>Thousands</i>	<i>Pounds</i>	<i>----- 1,000 pounds -----</i>		<i>----- Cents per pound -----</i>		<i>----- 1,000 dollars -----</i>	
2002	30	7	136	952	15	111	193	1,057	29
2003	29	7	114	798	11	145	182	1,157	20
2004	31	8	96	768	11	159	182	1,221	20
2005	34	9	131	1,179	10	143	182	1,686	18
<b>2006</b>	<b>35</b>	<b>10</b>	<b>93</b>	<b>930</b>	<b>29</b>	<b>119</b>	<b>238</b>	<b>1,107</b>	<b>69</b>

<sup>1</sup> Average of unprocessed bulk and processed packaged honey sold at wholesale and processed packaged honey sold at retail by farmers.

## SHEEP AND LAMBS: January 1 inventory by class, State of Hawaii, 2002-2006

Year	All sheep and lambs	Breeding				Market			Lamb crop
		Total	Ewes 1 year +	Rams 1 year +	Replacement lambs	Total	Lambs	Sheep	
<i>1,000 head</i>									
2002	20	14	6	3	5	6	4	2	5
2003	20	13	6	3	4	7	4	3	5
2004	20	13	6	3	4	7	5	2	5
2005 <sup>1</sup>									
<b>2006 <sup>1</sup></b>									

<sup>1</sup> Data not shown to avoid disclosure of individual operations.



- AGRICULTURAL LABOR
- AGRICULTURAL THEFT AND/OR VANDALISM
- AQUACULTURE



**AGRICULTURAL LABOR: Workers on farms, annual and quarterly averages,  
State of Hawaii, 2002-2006<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
2002	<sup>4</sup> 3,000	<sup>4</sup> 1,100	7,500	900	1,300	5,400
2003	NA	NA	7,300	700	1,200	5,300
2004	NA	NA	7,300	700	1,200	5,400
2005	NA	NA	7,000	700	1,100	5,200
<b>2006</b>	<b>NA</b>	<b>NA</b>	<b>7,000</b>	<b>600</b>	<b>1,000</b>	<b>5,400</b>
January	NA	NA	7,100	650	1,050	5,400
April	NA	NA	6,800	600	900	5,300
July	NA	NA	7,000	650	1,000	5,350
October	NA	NA	7,000	650	950	5,400

NA = Not available. Beginning July 2002, data series discontinued.

<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 county, 2002-2006<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>County:</b>							
<b>Hawaii</b>				<b>Kauai</b>			
2002	<sup>3</sup> 1,700	<sup>3</sup> 600	2,450	2002	<sup>3</sup> 250	<sup>3</sup> 100	750
2003	NA	NA	2,750	2003	NA	NA	750
2004	NA	NA	2,700	2004	NA	NA	650
2005	NA	NA	2,500	2005	NA	NA	700
<b>2006</b>	<b>NA</b>	<b>NA</b>	<b>2,650</b>	<b>2006</b>	<b>NA</b>	<b>NA</b>	<b>700</b>
<b>Honolulu</b>				<b>Maui</b>			
2002	<sup>3</sup> 550	<sup>3</sup> 250	2,100	2002	<sup>3</sup> 500	<sup>3</sup> 150	2,250
2003	NA	NA	2,150	2003	NA	NA	1,650
2004	NA	NA	2,200	2004	NA	NA	1,800
2005	NA	NA	2,050	2005	NA	NA	1,700
<b>2006</b>	<b>NA</b>	<b>NA</b>	<b>1,950</b>	<b>2006</b>	<b>NA</b>	<b>NA</b>	<b>1,750</b>

NA = Not available. Beginning July 2002, data series discontinued.

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

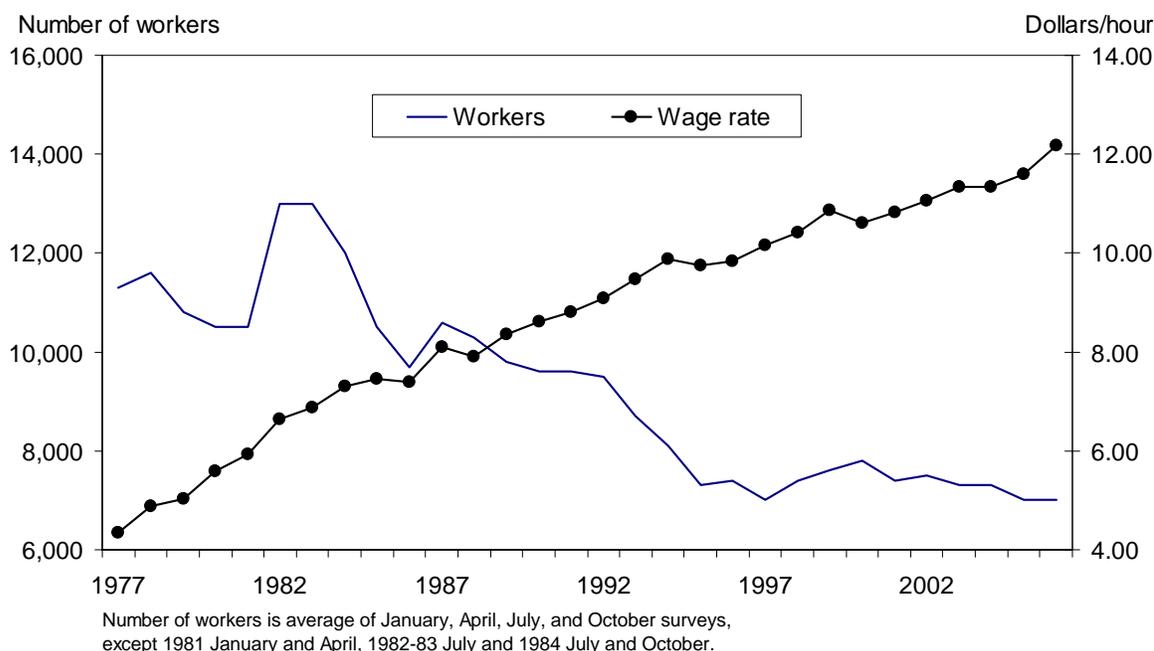
<sup>2</sup> Includes family members and others working 15 or more hours per week.

<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.

**HIRED AGRICULTURAL LABOR: Wage rates for type of worker and all hired workers, annual and quarterly averages, State of Hawaii, 2002-2006**

Year	All farms		Farms with 1-9 workers	
	Field/livestock	All hired workers	Field/livestock	All hired workers
<i>Dollars per hour</i>				
2002	9.42	11.07	8.26	9.66
2003	9.60	11.33	8.52	9.62
2004	9.75	11.34	8.99	10.29
2005	10.00	11.59	9.19	10.25
<b>2006</b>	<b>10.32</b>	<b>12.18</b>	<b>9.46</b>	<b>10.78</b>
January	10.27	11.95	9.73	10.82
April	9.93	11.96	9.16	10.30
July	10.38	12.31	8.98	10.66
October	10.69	12.47	9.78	11.16

**Hired Workforce and Average Wage Rate, State of Hawaii, 1977-2006**





# HAWAII AGRICULTURAL THEFT AND/OR VANDALISM

The Hawaii Field Office of the USDA's National Agricultural Statistics Service conducted a special survey of Hawaii's farmers on their exposure to agricultural theft and/or vandalism. The total value of theft and/or vandalism losses, as well as security costs, from Hawaii farms is estimated at \$11.4 million or 8% of the 2004 Hawaii net farm income of \$135 million estimated by USDA, Economic Research Service. Total theft of farm commodities,

materials, equipment, and other property is pegged at \$1.9 million. Statewide vandalism cost to farms in Hawaii totaled \$2.0 million. Total security costs to prevent theft and/or vandalism totaled \$7.4 million. A special note of acknowledgment goes to the Hawaii Farm Bureau Federation (HFBF). This survey was conducted with funds from the State of Hawaii, Department of Agriculture and co-sponsored by the HFBF.

## Theft and/or vandalism losses and security measure costs, by county, 2004

County	Losses		Security measure costs	Total
	Theft	Vandalism <sup>1</sup>		
<i>1,000 dollars</i>				
Hawaii	634	192	3,119	3,945
Honolulu	798	568	2,553	3,919
Kauai	185	99	893	1,177
Maui	329	1,160	835	2,324
<b>Total</b>	<b>1,946</b>	<b>2,019</b>	<b>7,400</b>	<b>11,365</b>

<sup>1</sup> A large vandalism event occurred during 2004 and was reported by one of our respondents. We consider this event a statistical aberration. We have omitted this event and summarized the remaining data to acquire what we consider a truer picture of agricultural vandalism for the State of Hawaii.

## Theft by category, State of Hawaii, 2004

Type of theft	Number of incidents	Amount of loss
<i>1,000 dollars</i>		
Crop	2,900	562
Livestock	284	262
Chemical/Fertilizer	127	55
Machinery/Equipment	608	839
Other Property	820	228
<b>Total</b>	<b>4,739</b>	<b>1,946</b>

## Vandalism by category, State of Hawaii, 2004

Type of theft	Number of incidents	Amount of loss
<i>1,000 dollars</i>		
Crop	263	1,026
Livestock	61	299
Chemical/Fertilizer	23	4
Machinery/Equipment	169	465
Other Property	637	225
<b>Total</b>	<b>1,153</b>	<b>2,019</b>

## AQUACULTURE: Number of operations, production, and value, by county, 2002-2006

Year	Operations	Production		Value					Total
		Shellfish	Finfish	Shellfish	Finfish	Algae	Ornamental	Other <sup>1</sup>	
	<i>Number</i>	<i>----- 1,000 pounds -----</i>		<i>----- 1,000 dollars -----</i>					
<b>State</b>									
2002	70	1,378	542	8,212	2,683	10,505	664	3,116	25,180
2003	85	1,312	397	9,719	1,740	11,848	752	3,591	27,650
2004	100	956	484	8,326	1,975	12,602	520	4,677	28,100
2005	70	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	14,637	<sup>2</sup>	<sup>2</sup>	28,398
<b>2006</b>	<b>80</b>	<b>180</b>	<b>426</b>	<b>2,351</b>	<b>2,388</b>	<b>11,914</b>	<b>345</b>	<b>4,259</b>	<b>21,257</b>
<b>County:</b>									
<b>Hawaii</b>									
2002	26	269	<sup>3</sup>	3,050	<sup>3</sup>	9,627	<sup>3</sup>	<sup>3</sup>	17,329
2003	31	572	<sup>3</sup>	5,508	<sup>3</sup>	10,923	<sup>3</sup>	<sup>3</sup>	19,639
2004	39	450	<sup>3</sup>	5,593	<sup>3</sup>	11,702	<sup>3</sup>	<sup>3</sup>	21,211
2005	25	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>3</sup>	<sup>2</sup>	<sup>2</sup>	20,179
<b>2006</b>	<b>25</b>	<b>103</b>	<b>3</b>	<b>1,834</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>17,470</b>
<b>Honolulu/Kauai/Maui</b>									
2002	44	1,109	<sup>3</sup>	5,162	<sup>3</sup>	878	<sup>3</sup>	<sup>3</sup>	7,851
2003	54	740	<sup>3</sup>	4,211	<sup>3</sup>	925	<sup>3</sup>	<sup>3</sup>	8,011
2004	61	506	<sup>3</sup>	2,733	<sup>3</sup>	900	<sup>3</sup>	<sup>3</sup>	6,889
2005	45	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	<sup>3</sup>	<sup>2</sup>	<sup>2</sup>	8,219
<b>2006</b>	<b>55</b>	<b>77</b>	<b>3</b>	<b>517</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3,787</b>

<sup>1</sup> Includes seed stock, brood stock, and items not sold by weight.

<sup>2</sup> 2005 Census of Aquaculture breakout of categories was not available to avoid disclosure of individual operations with other states.

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



## DEFINITION OF TERMS

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- ◆ **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.



The Hawaii Field Office of USDA, National 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 and summarized; 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 Field Office 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
- ◆ **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.



## Where can I get more statistics or economic analysis?

National Agricultural Statistics Service (NASS) publications include weekly, monthly, quarterly, and annual estimates of production, stocks, inventories, dispositions, utilization, and process of agricultural commodities and other items. The Census of Agriculture is published every five years covering all commodities by state, county, and zip code. Other census reports include the Agricultural Atlas, Agricultural Economics & Land Ownership, Aquaculture, Census History, Congressional Tabulations, Farm & Ranch Irrigation, Horticulture Specialties, and Outlying Areas.

Economic Research Service (ERS) Situation and Outlook Reports and periodicals analyze the current situation and forecast market conditions. ERS monographs offer economic analysis in the area of trade, production, rural development, farm inputs, and other topics.

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