

STATISTICS OF HAWAII AGRICULTURE 2009

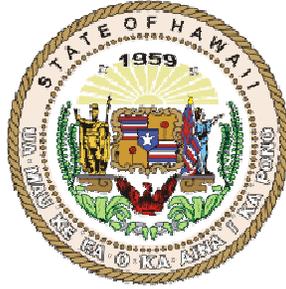
January 2011

A Partnership Between the



Hawaii
Department of Agriculture
Agricultural Development Division

United States
Department of Agriculture
National Agricultural Statistics Service



Special Message from Governor Neil Abercrombie

Hawaii Agricultural Statistics

June 29, 2011



The unique history of agriculture in Hawai`i has had a profound impact on every aspect of our lives today. Many of our families and friends have deep roots in local agriculture, which grew and shaped our community and relationships in ways that are difficult to quantify.

The work by the Hawai`i Field Office of the National Agricultural Statistics Service provides a window into the agricultural industry as it continues to play a role in our economy and communities.

This publication provides accurate statistical measures of the various commodities grown and the livestock raised on the state's 7,500 farms and ranches.

It also includes production estimates for our nursery and floriculture industries that are important components of our agricultural industry.

We can all appreciate the statistics for its significance in quantifying the impact of agriculture in our islands at this moment. However, the greater value of this body of work is that it will allow us to look back on trends and developments of the past in order to more accurately plan for our future.

E Malama Pono,

NEIL ABERCROMBIE

Governor, State of Hawai`i

NEIL ABERCROMBIE
Governor



RUSSELL S. KOKUBUN
Chairperson, Board of Agriculture

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Agriculture has long been an important part of Hawaii's history and economy and continues to be so today. The composition of the agricultural sector continues to transform from sugar and pineapple production to diversified agricultural commodities led by the seed industry which accounts for 35 percent of the 2009 farm gate total. Figures in this publication show the total farm value to be \$631.2 million which is the highest since the 1980 farm gate value of \$634.1 million. In 1980, unprocessed sugarcane value jumped due to high prices caused by short world supplies as sugarcane accounted for \$385 million or 61 percent of the total farm gate value. In the two preceding and two subsequent years to 1980, sugarcane accounted for an average of 46 percent. In contrast, sugarcane accounted for seven percent of the total farm gate value in 2009.

Like all farmers throughout the nation, Hawaii's 7,500 farmers and ranchers are a crucial but relatively small part of today's complex global economy in which various businesses are mutually dependent. In order to prosper, agricultural producers must now work collaboratively to develop working coalitions and alliances with other organizations involved with the tourism industry, environmental stewardship, and the business community.

This publication is a valuable resource to measure our progress and benchmark for future plans. Data contained in this publication also gauges our department's mission statement; To re-establish agriculture as essential to the well-being of our island society by rejuvenating the economy, protecting important resources, and gaining greater self-sufficiency in food production and alternative energy development.

The *Statistics of Hawaii Agriculture* publication also provides the hard data that describes the importance and impact made by our agricultural producers, their families, and production-level agriculture to our communities and our economy. But that only shows a portion of the complete picture. The latest available study estimates that when you enhance the value of many of our commodities along with the related business activities generated because of agriculture, the impact of agriculture increased to \$1.9 billion. Hawaii would not be Hawaii without agriculture.

I want to thank all of you who have taken time to provide the data that made the 2009 *Statistics of Hawaii Agriculture* possible.

A handwritten signature in black ink that reads "Russell S. Kokubun".

Russell S. Kokubun
Chairperson, Board of Agriculture



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

MESSAGE FROM THE STATE DIRECTOR

Producers are the primary information source for this publication. We appreciate the cooperation they extend when we contact them for information. Also, we are aware and sensitive to the frequent contacts made to Hawaii producers. 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 most knowledgeable 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. 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.

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

The direct value of this data is not always transparent to the producer, but reliable numbers are needed for business and policy decisions. 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.

Results of the first ever 2009 On-Farm Energy Production and Organic Production surveys were released last year. These studies provided additional detailed breakouts based on Census of Agriculture information. Agricultural operations that indicated organic production and/or informed the Census of Agriculture form that they produced their own renewable energy on their farm or ranch were included in these studies.

Our website, http://www.nass.usda.gov/Statistics_by_State/Hawaii/index.asp, contains all the data published by our office including the 2007 Census of Agriculture results and other Census of Agriculture follow-on surveys previously mentioned. This 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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2009 Farm Revenues up 4 Percent from Previous Year

Farm gate revenues for 2009 totaled \$631.2 million compared to the revised 2008 level of \$605.6 million. Compared to the previous year, 10 of the 20 top ranked commodities were higher including seed crops, coffee, cattle, algae, bananas, eggs, milk, basil, sweet potatoes, and head cabbage.

The value of individually published diversified commodities rose 8 percent including a 26 percent increase for seed crops. The \$222.6 million seed revenue is a new record high as seed companies continue to expand their Hawaii based operations in response to continued demand for ethanol production. Farm gate value for cattle and calves rose 19 percent due to higher marketings in 2009. Fruit farm gate revenues rose 7 percent. Published vegetables and melons rose 2 percent, egg farm gate value rose 1 percent, and milk farm revenue rose by 37 percent which is attributed to higher milk production and price. Information for some agricultural commodities is suppressed to prevent disclosing individual operation information, but is included in the total revenue number.

Revenue declines include flowers and nursery products which fell 15 percent from the previous

year and 26 percent from the record \$108.7 million set in 2007. Growers commented on continued slower business due to the sluggish economy, crop losses attributed to volcanic emissions, and drought as contributing factors that caused this decline. Sixteen percent less macadamia nut production was the contributing factor for the 12 percent revenue decline. This was offset by a 3.0 cents per pound higher wet-in-shell farm price. Coffee farm gate value was up 6 percent due to higher prices.

The equivalent farm value of sugarcane (this does not include the processed value of raw sugar) was set at \$44.2 million, unchanged from 2008.

Farm level values shown in this publication are an important measure of production agriculture, but they do not truly reflect the total contribution of agriculture to the State and county economies. For the better understanding of the overall picture, refer to "Agriculture's Contribution to Hawaii's Economy 2005" - (CTAHR Economic Issue EI 13, Jan 2008) a publication prepared jointly by the College of Tropical Agriculture and Human Resources, University of Hawaii at Manoa, and the Hawaii State Department of Agriculture.



State Continues to Face Persisting Drought Conditions

January - March

Extreme drought conditions continued into the new year with 78.88 percent of the State under abnormally dry or worse drought classifications in the first week of January. The leeward areas of the southern islands in Hawaii and Maui Counties were the most heavily impacted areas. Southeastern areas of Honolulu County were also affected by lack of rain. As the quarter progressed, drought conditions let up slowly with windward facing shores no longer suffering from drought conditions by the end of the quarter. Periods of heavy rains in many areas brought rainfall gauges to near normal average totals, if not greater. This included the Mountain View location on Hawaii County that received 27.1 inches of rain in March, compared to a normal average of 19.6 inches. Other less fortunate areas did not receive anything near average totals. One such area included North Kohala of Hawaii County which remained the most severely affected and the only area in the State facing extreme drought.

April - June

Weather in the second quarter started well. The extreme drought in the North Kohala region was downgraded to severe drought only a few weeks into the quarter. Hawaii County was the beneficiary of continued rains, which kept rainfall totals near averages. During April, the Kahuku rain gauge on Honolulu County surpassed its average monthly total. However, as the quarter continued, dry conditions slowly crept up the island chain. The leeward side of Honolulu County fell into abnormally dry conditions, followed by Kauai County. Eventually, abnormally dry conditions worsened to moderate in many areas, while windward coasts were classified as abnormally dry statewide.

July - September

Rainfall during the summer waned from decent totals that had come early to mid-year. During the first week of the third quarter, the North Kohala area was again classified under extreme drought. The State was fortunate to receive rain from the remnant of Hurricane Felicia that gave some areas a

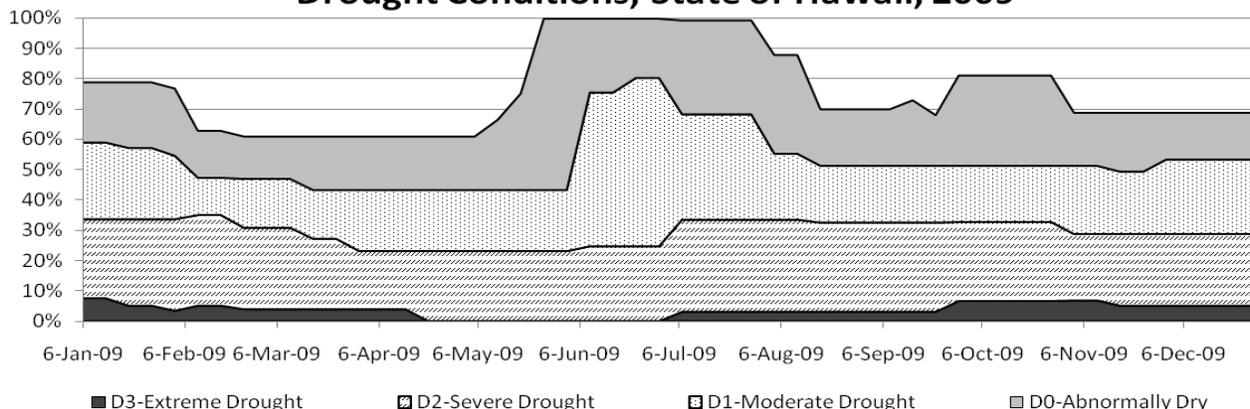
good amount of rainfall. Mid-quarter, northern counties and windward areas of the State were in generally good condition.

October - December

The end of the year resulted in contrasting weather conditions. Drier leeward areas continued to remain dry and intensify in drought severity. The South Kohala region of Hawaii County was also classified under extreme drought conditions. However, traditionally rainy areas such as Hana in Maui County received exceptional amounts of rain. During the month of November, Hana received 163 percent of its normal total. By the year's end, South Kohala conditions improved as did conditions on all windward areas. The State ended the year with 68.88 percent of the State classified as abnormally dry or worse, 10 percent improved from the beginning of the year. Underscoring this improvement, on Sunday, December 20th, a record daily maximum of rainfall was set in Hilo, Hawaii County with 7.92 inches being recorded. This more than doubled the previous record of 3.27 inches that was set in 1971.

Source: National Weather Service, National Drought Mitigation Center, and Farm Service Agency.

Drought Conditions, State of Hawaii, 2009





WEATHER: Precipitation, Selected Stations, State of Hawaii, 2009

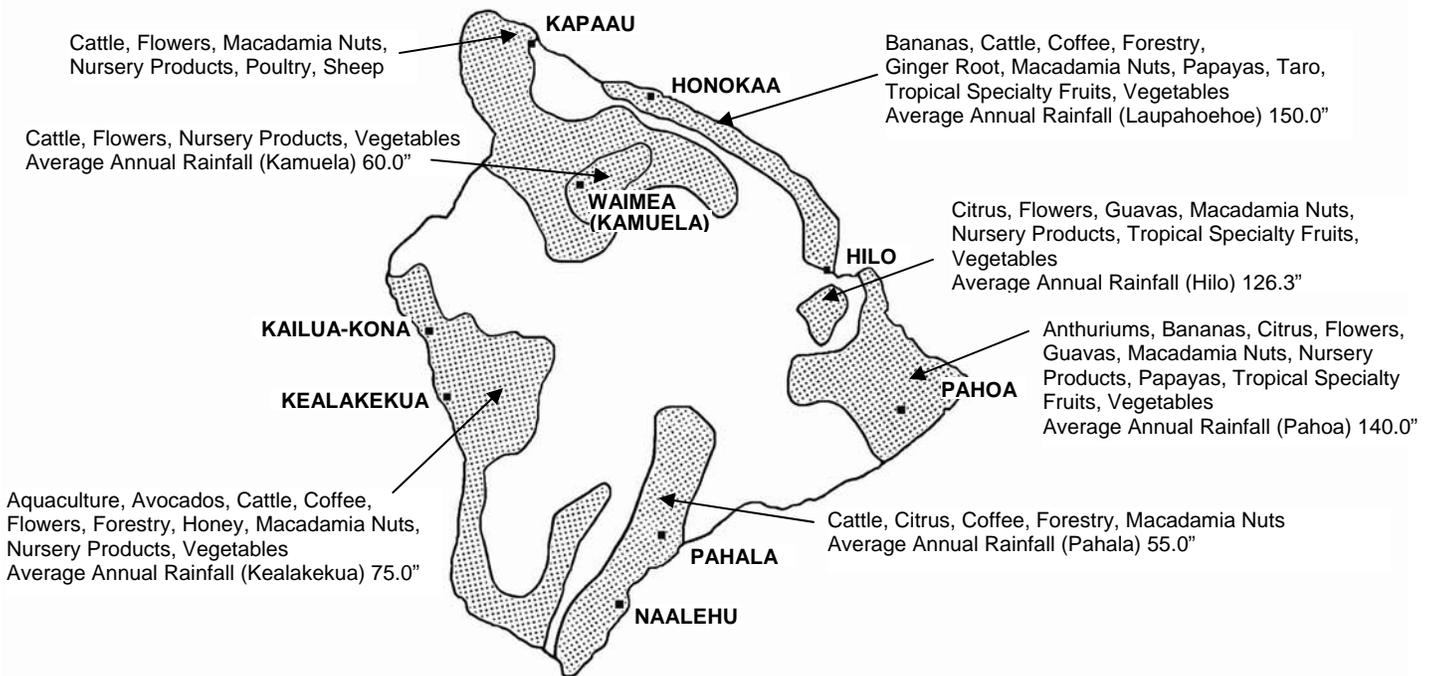
| STATIONS | Year & normal | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Annual | % Annual normal |
|----------------------------|---------------|------|-------|-------|-------|------|------|------|------|------|-------|-------|-------|--------|-----------------|
| HAWAII COUNTY | | | | | | | | | | | | | | | |
| 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 | |
| | 2009 | 8.72 | 10.30 | 29.28 | 11.38 | 2.13 | 5.37 | 8.14 | 4.92 | 6.94 | 9.48 | 23.60 | 11.49 | 131.75 | 104.3 |
| 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 | |
| | 2009 | 2.86 | 5.32 | 3.88 | 2.48 | .82 | 1.45 | 3.41 | 4.04 | 1.46 | 2.07 | 3.31 | 2.88 | 33.98 | 56.6 |
| 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 | |
| | 2009 | 2.16 | 1.98 | 4.16 | 1.78 | 1.43 | 2.84 | 2.52 | 5.56 | 3.56 | 1.23 | .76 | 2.07 | 30.05 | 40.1 |
| 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 | |
| | 2009 | 9.25 | 14.61 | 23.92 | 17.85 | 2.40 | 5.00 | 7.21 | 6.86 | 4.67 | 5.95 | 16.88 | 20.70 | 135.30 | 90.2 |
| 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 | |
| | 2009 | 4.22 | .51 | 9.38 | 1.37 | 2.60 | .69 | 1.77 | .80 | .34 | 1.85 | 1.11 | .76 | 25.40 | 46.2 |
| 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 | |
| | 2009 | 6.59 | 9.60 | 28.67 | 10.63 | 4.73 | 7.55 | 9.10 | 4.69 | 7.30 | 12.77 | 25.09 | 13.33 | 140.05 | 100.0 |
| HONOLULU COUNTY | | | | | | | | | | | | | | | |
| 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 | |
| | 2009 | 1.46 | 1.74 | 3.46 | 4.76 | .66 | .88 | 1.18 | 2.30 | 1.24 | -- | 5.84 | 1.39 | -- | -- |
| Waianae (HI17) | Normal | 3.8 | 2.3 | 2.5 | 1.6 | .7 | .3 | .3 | .7 | .7 | 1.8 | 2.0 | 3.3 | 20.0 | |
| | 2009 | 1.88 | .08 | 1.12 | .56 | .44 | 0 | .01 | 1.43 | .14 | .90 | .52 | .89 | 7.97 | 39.9 |
| 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 | |
| | 2009 | 4.22 | 1.12 | 5.55 | 8.49 | 4.83 | .74 | 2.04 | 2.37 | .91 | 4.86 | 2.96 | 2.98 | 41.07 | 96.0 |
| KAUAI COUNTY | | | | | | | | | | | | | | | |
| 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 | |
| | 2009 | 4.96 | 4.85 | 12.75 | 7.76 | -- | 1.68 | 8.66 | 7.21 | 5.41 | 6.29 | -- | -- | -- | -- |
| 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 | |
| | 2009 | 3.87 | 2.13 | 5.70 | 2.41 | .04 | 1.54 | 3.94 | 5.91 | -- | 2.04 | 9.64 | .43 | -- | -- |
| Wailua | Normal | 7.5 | 6.5 | 8.1 | 7.5 | 6.2 | 4.3 | 6.1 | 6.3 | 5.3 | 7.0 | 7.4 | 7.8 | 80.0 | |
| | 2009 | 4.10 | 4.97 | 7.48 | 7.15 | 2.48 | 3.15 | 7.76 | 7.48 | 3.77 | 12.32 | 29.78 | .80 | 91.24 | 114.1 |
| MAUI COUNTY | | | | | | | | | | | | | | | |
| 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 | |
| | 2009 | 2.41 | 2.35 | 9.82 | 6.13 | .81 | 2.75 | 5.26 | 4.98 | 4.63 | 3.81 | 13.04 | 5.88 | 61.87 | 77.3 |
| 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 | |
| | 2009 | 5.84 | .34 | 1.75 | .81 | 1.57 | .29 | .37 | 2.91 | .07 | .13 | 1.57 | 1.14 | 16.79 | 75.3 |
| Lahainaluna | Normal | 4.4 | 2.7 | 2.4 | 1.7 | .7 | .2 | .3 | .6 | .6 | 1.0 | 2.0 | 3.4 | 20.0 | |
| | 2009 | 1.82 | .04 | 1.36 | .13 | .25 | .01 | .01 | .32 | 0 | .47 | .15 | .58 | 5.14 | 25.7 |
| 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 | |
| | 2009 | 4.08 | .84 | 1.27 | .69 | 1.38 | .19 | .27 | .79 | .19 | .20 | 1.42 | 3.37 | 14.69 | 57.2 |

-- = No record. Data not recorded.

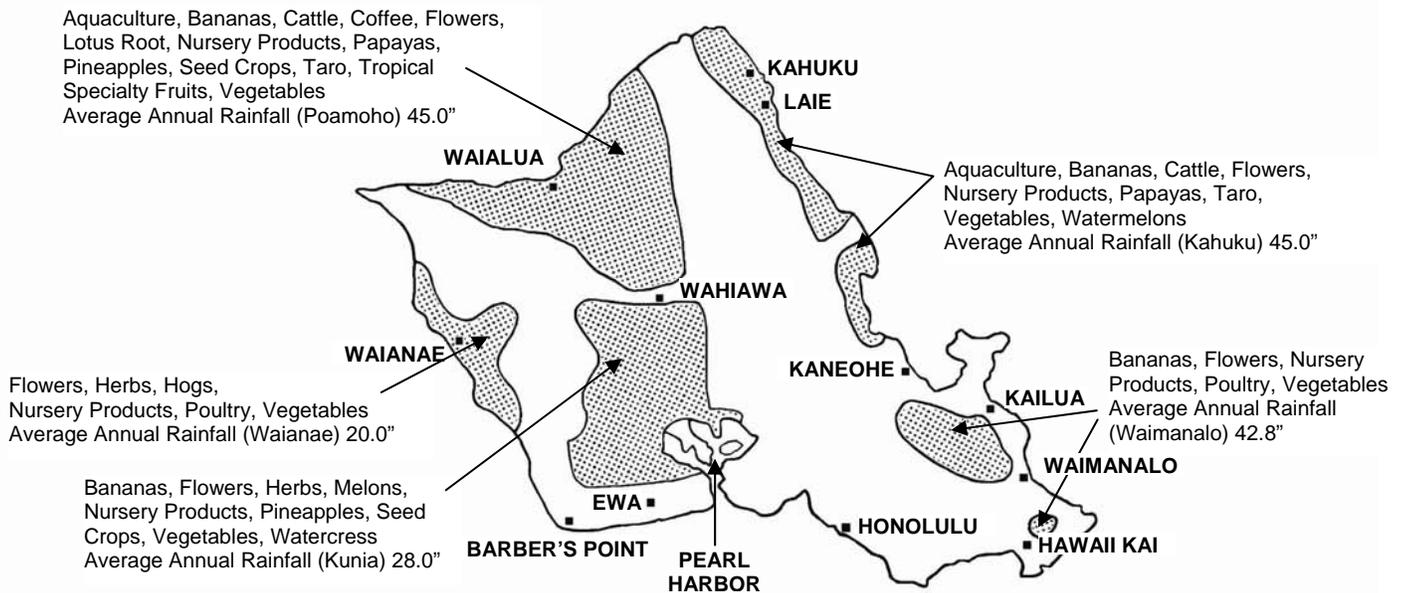
Source: U. S. Department of Commerce, National Oceanic and Atmospheric Administration. Most rainfall stations were selected from the National Weather Service's hydronet system of automated gauges, and those data have not been quality controlled to date, and therefore are not certified by the National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

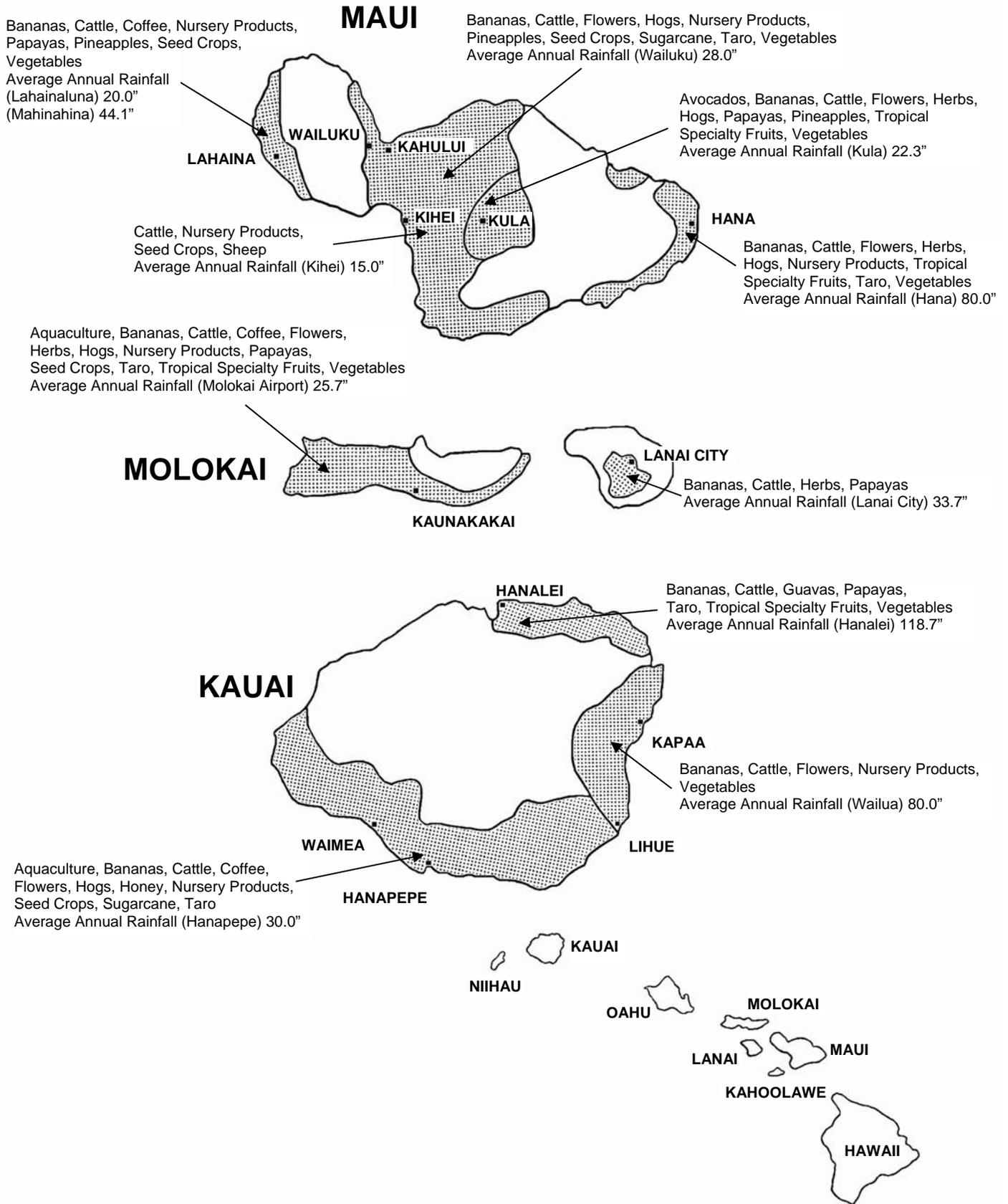
MAJOR AGRICULTURAL AREAS, STATE OF HAWAII, 2009

HAWAII



OAHU







SUMMARIES

Top 20 Commodities, State of Hawaii, 2008-2009¹

| Commodity ² | Rank | | Value of production | |
|----------------------------|----------------|------|-----------------------|----------------|
| | 2008 | 2009 | 2008 | 2009 |
| | --- Number --- | | --- 1,000 dollars --- | |
| Seed crops | 1 | 1 | 176,990 | 222,560 |
| Sugarcane (unprocessed) | 2 | 2 | 44,200 | 44,200 |
| Coffee | 4 | 3 | 29,580 | 31,320 |
| Macadamia nuts | 3 | 4 | 33,500 | 29,400 |
| Cattle | 5 | 5 | 24,305 | 28,945 |
| Algae | 6 | 6 | 15,740 | 16,995 |
| Papayas | 7 | 7 | 14,393 | 14,186 |
| Bananas | 9 | 8 | 8,004 | 10,175 |
| Eggs | 8 | 9 | 8,678 | 8,759 |
| Milk | 12 | 10 | 5,460 | 7,491 |
| Basil | 10 | 11 | 6,755 | 6,810 |
| Potatoes, sweet | 13 | 12 | 4,780 | 5,413 |
| Palms, potted | 11 | 13 | 6,635 | 5,251 |
| Dendrobiums, potted | 14 | 14 | 4,111 | 3,474 |
| Anthuriums, cut | 16 | 15 | 3,518 | 3,006 |
| Hogs | 17 | 16 | 3,359 | 2,996 |
| Cabbage, head | 19 | 17 | 2,820 | 2,976 |
| Dracaena, potted | 15 | 18 | 3,919 | 2,766 |
| Taro | 20 | 19 | 2,666 | 2,440 |
| Ginger root | 18 | 20 | 2,880 | 2,240 |

¹ Pineapples, sod, tomatoes, and watermelons not ranked due to disclosure of individual operations.

² Floriculture categories include only growers with total sales of \$10,000 or more.

Farm Values, State of Hawaii, 1990-2009

| Year | Sugar (unprocessed cane) | Pineapples (fresh equivalent) | Diversified agriculture ¹ | Total ² |
|-------------|--------------------------------|-------------------------------------|---|--------------------|
| | 1,000 dollars | | | |
| 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 |
| 2006 | 50,200 | 73,652 | 455,738 | 579,590 |
| 2007 | 47,600 | ³ | ³ | 577,999 |
| 2008 | 44,200 | ³ | ³ | 605,570 |
| 2009 | 44,200 | ³ | ³ | 631,170 |

¹ Aquaculture included beginning 1993.

² Includes all agricultural commodities.

³ Pineapples and diversified agriculture not shown separately to avoid disclosure of individual operations, but included in total farm value.

Selected Diversified Agriculture Ranked by Value, State of Hawaii, 2008-2009

| Commodity | Rank | | Value of production | | | Percent of diversified agriculture ¹ | |
|------------------------------------|----------------|------|---------------------------|----------------|-----------------------------|---|--------------|
| | 2008 | 2009 | 2008 | 2009 | Year-to-year percent change | 2008 | 2009 |
| | --- Number --- | | ----- 1,000 dollars ----- | | ----- Percent ----- | | |
| Seed crops | 1 | 1 | 176,990 | 222,560 | +26 | 38.8 | 45.3 |
| Flowers and nursery products | 2 | 2 | 94,662 | 80,092 | -15 | 20.7 | 16.3 |
| Aquaculture | 3 | 3 | 34,650 | 32,330 | -7 | 7.6 | 6.6 |
| Coffee | 5 | 4 | 29,580 | 31,320 | +6 | 6.5 | 6.4 |
| Macadamia nuts | 4 | 5 | 33,500 | 29,400 | -12 | 7.3 | 6.0 |
| Cattle | 6 | 6 | 24,305 | 28,945 | +19 | 5.3 | 5.9 |
| Fruits (excluding pineapples) | 7 | 7 | 23,680 | 25,373 | +7 | 5.2 | 5.1 |
| Vegetables and melons ² | 8 | 8 | 21,898 | 22,410 | +2 | 4.8 | 4.5 |
| Eggs | 9 | 9 | 8,678 | 8,759 | +1 | 1.9 | 1.8 |
| Milk | 10 | 10 | 5,460 | 7,491 | +37 | 1.2 | 1.5 |
| Hogs | 11 | 11 | 3,359 | 2,996 | -11 | .7 | .6 |
| Total³ | | | 456,762 | 491,676 | | 100.0 | 100.0 |

¹ Percentages are of displayed items only. ² Includes ginger root and herbs. Beginning 2007, non-published vegetable commodities not included to avoid disclosure of individual operations, but included in total farm value. ³ Includes selected displayed commodities; excludes non-published commodities to avoid disclosure of individual operations but included in total farm value.


SUMMARY: Acreage in Crop and Total Farm Acreage, by County, 2005-2009

| Year | Sugarcane | Pineapples ¹ | Vegetables and melons ^{2,3} | Fruits (excluding pineapples) | Coffee | Macadamia nuts | All other crops ⁴ | Total farm acreage ⁵ |
|--------------------------|-------------|-------------------------|--------------------------------------|-------------------------------|-------------------|----------------|------------------------------|---------------------------------|
| 1,000 acres | | | | | | | | |
| State⁶ | | | | | | | | |
| 2005 | 40.1 | 14.0 | 6.3 | 6.2 | 7.9 | 18.3 | 9.2 | 1,300 |
| 2006 | 42.1 | 12.6 | 5.5 | 6.1 | 8.2 | 17.0 | 9.2 | 1,300 |
| 2007 | 39.3 | ⁷ | 3.3 | 6.5 | 7.8 | 17.0 | 20.5 | 1,120 |
| 2008 | 39.7 | ⁷ | 2.1 | 4.1 | 7.8 | 17.0 | 20.7 | 1,110 |
| 2009 | 39.6 | ⁷ | 2.3 | 3.9 | 8.0 | 17.0 | 20.7 | 1,110 |
| County: | | | | | | | | |
| Hawaii | | | | | | | | |
| 2005 | 0 | * | 1.6 | 4.1 | 3.8 | ⁸ | 2.7 | 820 |
| 2006 | 0 | * | 1.1 | 3.8 | 3.8 | ⁸ | 2.9 | 820 |
| 2007 | 0 | ⁷ | .9 | 4.3 | 3.8 | ⁸ | 3.2 | 680 |
| 2008 | 0 | ⁷ | .8 | 3.0 | 3.8 | ⁸ | 3.1 | 670 |
| 2009 | 0 | ⁷ | ⁹ | ⁹ | ⁸ | ⁸ | ⁹ | ⁹ |
| Honolulu | | | | | | | | |
| 2005 | 0 | ⁸ | 3.5 | .8 | ¹⁰ 4.1 | ⁸ | 2.6 | 70 |
| 2006 | 0 | ⁸ | 3.5 | .9 | ¹⁰ 4.4 | ⁸ | 2.7 | 70 |
| 2007 | 0 | ⁷ | 1.6 | .9 | ¹⁰ 4.0 | ⁸ | 8.1 | 60 |
| 2008 | 0 | ⁷ | .9 | .6 | ¹⁰ 4.0 | ⁸ | 9.5 | 60 |
| 2009 | 0 | ⁷ | ⁹ | ⁹ | ⁸ | ⁸ | ⁹ | ⁹ |
| Kauai | | | | | | | | |
| 2005 | 7.1 | * | .2 | .8 | ¹⁰ | ⁸ | 1.7 | 150 |
| 2006 | 7.2 | * | .1 | .8 | ¹⁰ | ⁸ | 1.9 | 150 |
| 2007 | 6.9 | ⁷ | .1 | .7 | ¹⁰ | ⁸ | 2.5 | 150 |
| 2008 | 5.2 | ⁷ | * | .2 | ¹⁰ | ⁸ | 2.3 | 150 |
| 2009 | 5.2 | ⁷ | ⁹ | ⁹ | ⁸ | ⁸ | ⁹ | ⁹ |
| Maui | | | | | | | | |
| 2005 | 33.0 | ⁸ | 1.0 | .5 | ¹⁰ | ⁸ | 2.2 | 260 |
| 2006 | 34.9 | ⁸ | .8 | .6 | ¹⁰ | ⁸ | 1.7 | 260 |
| 2007 | 32.4 | ⁷ | .7 | .6 | ¹⁰ | ⁸ | 6.7 | 230 |
| 2008 | 34.5 | ⁷ | .4 | .3 | ¹⁰ | ⁸ | 5.8 | 230 |
| 2009 | 34.4 | ⁷ | ⁹ | ⁹ | ⁸ | ⁸ | ⁹ | ⁹ |

* Less than 50 acres

¹ Land used for pineapple.² Harvested acreage.³ Includes ginger root and herbs, 2005-2006.⁴ Beginning 2007, includes non-published vegetable commodities, and ginger root. Includes taro, seed crops, feed and forage crops (excluding pineapple feed products), flowers, nursery products, noni, kava ('awa), and others.⁵ Includes land not in crop and pasture such as farm house lots, roads, woodlots, etc.⁶ Sum of county estimates may not add to State total due to rounding.⁷ Data not shown separately to avoid disclosure of individual operations but combined and included with "All other crops".⁸ Data not shown separately to avoid disclosure of individual operations but combined and included in the State total.⁹ County estimates not published due to staff reduction-in-force but combined and included in the State total.¹⁰ Kauai and Maui combined with Honolulu to avoid disclosure of individual operations.



SUMMARIES

SUMMARY: Number of Crop Farms, by County, 2005-2009

| Year | Sugarcane | Pineapples ¹ | Vegetables and melons ² | Fruits (excluding pineapples) | Coffee | Macadamia nuts | Taro | Flowers and nursery products |
|-----------------|-----------|-------------------------|------------------------------------|-------------------------------|--------------|------------------|--------------|------------------------------|
| State | | | | | | | | |
| 2005 | 2 | 30 | 600 | 1,265 | 790 | 650 | 110 | 955 |
| 2006 | 2 | 30 | 610 | 1,245 | 820 | 570 | 105 | 930 |
| 2007 | 2 | 40 | 650 | 1,300 | 830 | ³ 570 | 105 | 1,060 |
| 2008 | 2 | 40 | 540 | 1,505 | 830 | 570 | 105 | 1,025 |
| 2009 | 2 | 40 | 548 | 1,577 | 830 | 570 | 110 | 1,010 |
| County: | | | | | | | | |
| Hawaii | | | | | | | | |
| 2005 | 0 | 15 | 215 | 664 | 745 | 600 | 30 | 425 |
| 2006 | 0 | 15 | 226 | 668 | 775 | 520 | 25 | 415 |
| 2007 | 0 | 18 | 230 | 690 | 790 | ³ 525 | 25 | 475 |
| 2008 | 0 | 18 | 210 | 885 | 790 | 525 | 25 | 465 |
| 2009 | 0 | ⁴ | ⁴ | ⁴ | ⁵ | ⁴ | ⁴ | ⁴ |
| Honolulu | | | | | | | | |
| 2005 | 0 | 2 | 213 | 159 | 3 | 10 | 10 | 265 |
| 2006 | 0 | 2 | 215 | 153 | 3 | 10 | 15 | 250 |
| 2007 | 0 | 1 | 230 | 160 | 3 | 5 | 15 | 285 |
| 2008 | 0 | 1 | 180 | 155 | 3 | 5 | 20 | 270 |
| 2009 | 0 | ⁴ | ⁴ | ⁴ | ⁵ | ⁴ | ⁴ | ⁴ |
| Kauai | | | | | | | | |
| 2005 | 1 | 8 | 65 | 184 | 8 | 20 | 50 | 80 |
| 2006 | 1 | 8 | 63 | 174 | 10 | 20 | 45 | 75 |
| 2007 | 1 | 12 | 70 | 190 | 7 | ³ 20 | 45 | 90 |
| 2008 | 1 | 12 | 48 | 193 | 5 | 20 | 45 | 90 |
| 2009 | 1 | ⁴ | ⁴ | ⁴ | ⁵ | ⁴ | ⁴ | ⁴ |
| Maui | | | | | | | | |
| 2005 | 1 | 5 | 107 | 258 | 34 | 20 | 20 | 185 |
| 2006 | 1 | 5 | 106 | 250 | 32 | 20 | 20 | 190 |
| 2007 | 1 | 9 | 120 | 260 | 30 | ³ 20 | 20 | 210 |
| 2008 | 1 | 9 | 102 | 272 | 32 | 20 | 15 | 200 |
| 2009 | 1 | ⁴ | ⁴ | ⁴ | ⁵ | ⁴ | ⁴ | ⁴ |

¹ Includes specialty pineapple.

² In 2003-2006, includes ginger root, herbs, noni, kava ('awa), and others. Beginning 2007, ginger root, herbs, noni, kava ('awa) and others combined and included in the Total (non-duplicated).

³ Revised.

⁴ County estimates not published due to staff reduction-in-force but combined and included in the State total.

⁵ 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, 2005-2009

| Year | Cattle ¹ | Hogs | Milk | Eggs | Honey ² | Total (non-duplicated) ³ |
|--------------------------|---------------------|------------|----------------|-----------------|--------------------|--|
| State | | | | | | |
| 2005 | 800 | 230 | 30 | 80 | 34 | 5,500 |
| 2006 | 800 | 230 | 30 | 80 | 35 | 5,500 |
| 2007 | 1,100 | 230 | 15 | 80 | 40 | 7,500 |
| 2008 | 1,000 | 230 | 15 | 100 | 35 | 7,500 |
| 2009 | 1,000 | 230 | 15 | 100 | 35 | 7,500 |
| County: | | | | | | |
| Hawaii | | | | | | |
| 2005 | 470 | 70 | 15 | 50 | 20 | 3,250 |
| 2006 | 470 | 70 | 15 | 50 | 17 | 3,250 |
| 2007 | 730 | 70 | 6 | 50 | 18 | 4,650 |
| 2008 | 680 | 70 | 6 | 65 | 18 | 4,650 |
| 2009 ⁴ | | | | | | |
| Honolulu | | | | | | |
| 2005 | 50 | 70 | 6 | 15 | 9 | 800 |
| 2006 | 50 | 70 | 6 | 15 | 12 | 800 |
| 2007 | 60 | 70 | 3 | 15 | 14 | 950 |
| 2008 | 50 | 70 | 3 | 15 | 9 | 950 |
| 2009 ⁴ | | | | | | |
| Kauai | | | | | | |
| 2005 | 120 | 30 | 4 | ³ 5 | 4 | 600 |
| 2006 | 120 | 30 | 4 | ³ 5 | 4 | 600 |
| 2007 | 130 | 30 | 1 | 5 | 5 | 750 |
| 2008 | 120 | 30 | 1 | 5 | 5 | 750 |
| 2009 ⁴ | | | | | | |
| Maui | | | | | | |
| 2005 | 160 | 60 | ³ 5 | ³ 10 | 1 | 850 |
| 2006 | 160 | 60 | ³ 5 | ³ 10 | 2 | 850 |
| 2007 | 180 | 60 | 5 | 10 | 3 | 1,150 |
| 2008 | 150 | 60 | 5 | 15 | 3 | 1,150 |
| 2009 ⁴ | | | | | | |

¹ Includes beef, dairy, and dairy replacement operations.

² Number of operations with 5 or more colonies.

³ Based on the definition of a farm as a place with estimated (or expected) annual sales of agricultural products of at least \$1,000. Total includes farms having commodities that are not listed separately; e.g. aquaculture, goats, seed crops, and sheep. Prior to 2007, the total unduplicated farm number was not adjusted for coverage.

⁴ County estimates not published due to staff reduction-in-force but combined and included in the State total.



SUMMARIES

SUMMARY: Value of Crop Sales, by County, 2005-2009

| Year | Sugar (unprocessed cane) | Pineapples (fresh equivalent) | Vegetables, ginger root, herbs, and melons ¹ | Fruits (excluding pineapples) | Coffee (parchment) |
|---------------------------|--------------------------------|-------------------------------------|--|-------------------------------------|-----------------------|
| <i>1,000 dollars</i> | | | | | |
| State ⁴ | | | | | |
| 2005 | 58,900 | 79,288 | 67,717 | 25,747 | 37,310 |
| 2006 | 50,200 | 73,652 | 73,038 | 27,215 | 31,820 |
| 2007 | 47,600 | ⁵ | 34,395 | 30,592 | 31,875 |
| 2008 | 44,200 | ⁵ | 21,898 | 23,680 | 29,580 |
| 2009 | 44,200 | ⁵ | 22,410 | 25,373 | 31,320 |
| County: | | | | | |
| Hawaii | | | | | |
| 2005 | 0 | ⁶ | 18,172 | 18,353 | 31,030 |
| 2006 | 0 | ⁶ | 18,630 | 18,584 | 25,600 |
| 2007 | 0 | ⁵ | 9,332 | 22,837 | 25,350 |
| 2008 | 0 | ⁵ | 10,076 | 18,944 | 21,730 |
| 2009 | 0 | ⁵ | ⁷ | ⁷ | ⁵ |
| Honolulu | | | | | |
| 2005 | 0 | ⁶ | 38,725 | 3,715 | ⁸ 6,280 |
| 2006 | 0 | ⁶ | 41,812 | 4,961 | ⁸ 6,220 |
| 2007 | 0 | ⁵ | 16,334 | 4,961 | ⁸ 6,525 |
| 2008 | 0 | ⁵ | 7,139 | 3,457 | ⁸ 7,850 |
| 2009 | 0 | ⁵ | ⁷ | ⁷ | ⁵ |
| Kauai | | | | | |
| 2005 | 14,700 | ⁶ | 1,670 | 1,641 | ⁸ |
| 2006 | 9,500 | ⁶ | 1,543 | 1,717 | ⁸ |
| 2007 | 9,800 | ⁵ | 2,184 | 1,060 | ⁸ |
| 2008 | 9,700 | ⁵ | 1,037 | 512 | ⁸ |
| 2009 | 14,200 | ⁵ | ⁷ | ⁷ | ⁵ |
| Maui | | | | | |
| 2005 | 44,200 | ⁶ | 9,150 | 2,038 | ⁸ |
| 2006 | 40,700 | ⁶ | 11,053 | 1,953 | ⁸ |
| 2007 | 37,800 | ⁵ | 6,545 | 1,734 | ⁸ |
| 2008 | 34,500 | ⁵ | 3,646 | 767 | ⁸ |
| 2009 | 30,000 | ⁵ | ⁷ | ⁷ | ⁵ |

See footnotes at end of table.

Continued


SUMMARY: Value of Crop Sales, by County, 2005-2009 -- Continued

| Year | Macadami nuts (in-shell) | Taro | Seed crops | Flowers and nursery products ² | Total crops ³ |
|--------------------------|-----------------------------|------------------|----------------|---|--------------------------|
| <i>1,000 dollars</i> | | | | | |
| State⁴ | | | | | |
| 2005 | 43,740 | 2,322 | 77,330 | 100,962 | 493,991 |
| 2006 | 38,860 | 2,565 | 103,040 | 98,725 | 499,684 |
| 2007 | 24,600 | 2,360 | 140,710 | 108,710 | 498,338 |
| 2008 | 33,500 | 2,666 | 176,990 | 94,662 | 522,139 |
| 2009 | 29,400 | 2,440 | 222,560 | 80,092 | 543,290 |
| County: | | | | | |
| Hawaii | | | | | |
| 2005 | ⁶ | 168 | ⁶ | 53,449 | 164,772 |
| 2006 | ⁶ | 180 | ⁶ | 50,527 | 152,302 |
| 2007 | ⁶ | 173 | ⁶ | 51,192 | 140,895 |
| 2008 | ⁶ | 127 | ⁶ | 41,238 | 137,086 |
| 2009⁷ | | | | | |
| Honolulu | | | | | |
| 2005 | ⁶ | ⁹ 511 | ⁶ | 32,399 | 133,918 |
| 2006 | ⁶ | ⁹ 570 | ⁶ | 33,438 | 146,013 |
| 2007 | ⁶ | ⁹ 563 | ⁶ | 40,625 | 140,811 |
| 2008 | ⁶ | ⁹ 487 | ⁶ | 35,362 | 166,679 |
| 2009⁷ | | | | | |
| Kauai | | | | | |
| 2005 | ⁶ | 1,643 | ⁶ | 3,204 | 49,318 |
| 2006 | ⁶ | 1,815 | ⁶ | 2,937 | 60,352 |
| 2007 | ⁶ | 1,624 | ⁶ | 3,556 | 65,989 |
| 2008 | ⁶ | 2,052 | ⁶ | 3,949 | 74,646 |
| 2009⁷ | | | | | |
| Maui | | | | | |
| 2005 | ⁶ | ⁹ | ⁶ | 11,910 | 145,983 |
| 2006 | ⁶ | ⁹ | ⁶ | 11,823 | 141,017 |
| 2007 | ⁶ | ⁹ | ⁶ | 13,337 | 150,643 |
| 2008 | ⁶ | ⁹ | ⁶ | 14,113 | 143,728 |
| 2009⁷ | | | | | |

¹ Includes noni, kava ('awa), and others. Beginning 2007, non-published commodities not included to avoid disclosure of individual operations but combined and included in total crop value.

² Flowers, foliage, and nursery products.

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

⁴ Sum of county estimates may not add to State total due to rounding.

⁵ Data not shown separately to avoid disclosure of individual operations but combined and included in total crop value.

⁶ Data not shown separately to avoid disclosure of individual operations but combined and included in the State total.

⁷ County estimates not published due to staff reduction-in-force but combined and included in the State total.

⁸ Kauai and Maui combined with Honolulu to avoid disclosure of individual operations.

⁹ Maui combined with Honolulu to avoid disclosure of individual operations.



SUMMARIES

SUMMARY: Value of Livestock Sales, Total Value of Crop, Livestock Sales, Aquaculture, and Government Payments, by Counties, 2005-2009

| Year | Cattle ¹ | Hogs ¹ | Milk | Eggs | Aquaculture | Total livestock and aquaculture ² | Total crops, livestock, and aquaculture | Government payments ³ |
|---------------------------|---------------------|-------------------|--------------|--------------------|--------------------|--|---|----------------------------------|
| <i>1,000 dollars</i> | | | | | | | | |
| State ⁴ | | | | | | | | |
| 2005 | 22,548 | 4,553 | 18,387 | 8,979 | 28,398 | 88,794 | 582,785 | 4,727 |
| 2006 | 26,452 | 4,158 | 14,508 | 8,192 | 21,257 | 79,906 | 579,590 | 3,796 |
| 2007 | 26,196 | 3,682 | 9,673 | 7,428 | 25,110 | 79,661 | 577,999 | ⁵ 6,133 |
| 2008 | 24,305 | 3,359 | 5,460 | 8,678 | 34,650 | 83,431 | 605,570 | 8,435 |
| 2009 ⁸ | 28,945 | 2,996 | 7,491 | 8,759 | 32,330 | 87,880 | 631,170 | 13,437 |
| County: | | | | | | | | |
| Hawaii | | | | | | | | |
| 2005 | 16,790 | 319 | ⁶ | ⁷ 2,274 | 20,179 | 50,426 | ⁵ 215,198 | NA |
| 2006 | 19,809 | 256 | ⁶ | ⁶ | 17,470 | 48,345 | 200,647 | NA |
| 2007 | 19,676 | 185 | ⁶ | ⁶ | 20,013 | 52,690 | 193,585 | NA |
| 2008 | 16,493 | 171 | ⁶ | ⁶ | 27,836 | 56,275 | 193,361 | NA |
| 2009 ⁸ | | | | | | | | |
| Honolulu | | | | | | | | |
| 2005 | 1,382 | 2,762 | ⁶ | 6,705 | ⁹ 8,219 | 26,737 | 160,655 | NA |
| 2006 | 1,515 | 2,371 | ⁶ | ⁶ | ⁹ 3,787 | 21,013 | 167,026 | NA |
| 2007 | 942 | 1,974 | ⁶ | ⁶ | ⁹ 5,097 | 17,788 | 158,599 | NA |
| 2008 | 358 | 1,860 | ⁶ | ⁶ | ⁹ 6,814 | 16,876 | 183,555 | NA |
| 2009 ⁸ | | | | | | | | |
| Kauai | | | | | | | | |
| 2005 | 1,689 | 592 | ⁶ | ⁷ | ⁹ | 3,222 | ⁵ 52,540 | NA |
| 2006 | 1,725 | 611 | ⁶ | ⁶ | ⁹ | 4,299 | 64,651 | NA |
| 2007 | 1,318 | 638 | ⁶ | ⁶ | ⁹ | 3,098 | 69,087 | NA |
| 2008 | 1,959 | 578 | ⁶ | ⁶ | ⁹ | 3,269 | 77,915 | NA |
| 2009 ⁸ | | | | | | | | |
| Maui | | | | | | | | |
| 2005 | 2,686 | 880 | ⁶ | ⁷ | ⁹ | 8,408 | 154,391 | NA |
| 2006 | 3,403 | 920 | ⁶ | ⁶ | ⁹ | 6,249 | 147,266 | NA |
| 2007 | 4,260 | 885 | ⁶ | ⁶ | ⁹ | 6,085 | 156,728 | NA |
| 2008 | 5,495 | 750 | ⁶ | ⁶ | ⁹ | 7,011 | 150,739 | NA |
| 2009 ⁸ | | | | | | | | |

NA = Not available.

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

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

³ 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. Source: Economic Research Service, U.S. Department of Agriculture.

⁴ Sum of county estimates may not add to State total due to rounding.

⁵ Revised.

⁶ Data not shown separately to avoid disclosure of individual operations but combined and included in the State total.

⁷ Kauai and Maui combined with Hawaii to avoid disclosure of individual operations.

⁸ County estimates not published due to staff reduction-in-force but combined and included in the State total.

⁹ Kauai and Maui combined with Honolulu to avoid disclosure of individual operations.



FOOD: U.S. Expenditures by Families and Individuals, Selected Years, 1935-2009

| Year | Disposable personal income | Expenditures for food | | | | | |
|-------------------|----------------------------|------------------------|----------------|-----------------------------|------------------|------------------------|----------------|
| | | At home ¹ | | Away from home ² | | Total ³ | |
| | <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> |
| 1935 | 59.3 | 12.1 | 20.4 | 1.8 | 3.0 | 13.9 | 23.4 |
| 1940 | 76.8 | 13.5 | 17.6 | 2.4 | 3.1 | 15.9 | 20.7 |
| 1950 | 210.1 | 35.7 | 17.0 | 7.6 | 3.6 | 43.3 | 20.6 |
| 1960 | 365.4 | 51.5 | 14.1 | 12.6 | 3.4 | 64.0 | 17.5 |
| 1970 | 735.7 | 75.5 | 10.3 | 26.4 | 3.6 | 102.0 | 13.9 |
| 1980 | 2,009.0 | 180.8 | 9.0 | 85.2 | 4.2 | 266.0 | 13.2 |
| 1981 | 2,246.1 | 195.5 | 8.7 | 95.8 | 4.3 | 291.3 | 13.0 |
| 1982 | 2,421.2 | 201.0 | 8.3 | 104.5 | 4.3 | 305.5 | 12.6 |
| 1983 | 2,608.4 | 211.4 | 8.1 | 113.7 | 4.4 | 325.1 | 12.5 |
| 1984 | 2,912.0 | 224.0 | 7.7 | 121.9 | 4.2 | 345.8 | 11.9 |
| 1985 | 3,109.3 | 234.0 | 7.5 | 128.6 | 4.1 | 362.6 | 11.7 |
| 1986 | 3,285.1 | 242.7 | 7.4 | 137.9 | 4.2 | 380.6 | 11.6 |
| 1987 | 3,458.1 | 252.7 | 7.3 | 146.4 | 4.2 | 399.0 | 11.5 |
| 1988 | 3,748.7 | 255.9 | 6.8 | 157.5 | 4.2 | 413.4 | 11.0 |
| 1989 | 4,021.7 | 274.8 | 6.8 | 165.4 | 4.1 | 440.2 | 10.9 |
| 1990 | 4,285.8 | 299.7 | 7.0 | 177.4 | 4.1 | 477.1 | 11.1 |
| 1991 | 4,464.3 | 313.5 | 7.0 | 186.3 | 4.2 | 499.8 | 11.2 |
| 1992 | 4,751.4 | 313.6 | 6.6 | 191.9 | 4.0 | 505.5 | 10.6 |
| 1993 | 4,911.9 | 323.3 | 6.6 | 205.9 | 4.2 | 529.1 | 10.8 |
| 1994 | 5,151.8 | 337.1 | 6.5 | 216.5 | 4.2 | 553.5 | 10.7 |
| 1995 | 5,408.2 | 345.5 | 6.4 | 226.2 | 4.2 | 571.7 | 10.6 |
| 1996 | 5,688.5 | 360.6 | 6.3 | 233.2 | 4.1 | 593.8 | 10.4 |
| 1997 | 5,988.8 | 377.2 | 6.3 | 246.3 | 4.1 | 623.5 | 10.4 |
| 1998 | 6,395.9 | 387.1 | 6.1 | 259.7 | 4.1 | 646.8 | 10.1 |
| 1999 | 6,695.0 | 408.8 | 6.1 | 272.0 | 4.1 | 680.8 | 10.2 |
| 2000 | 7,194.0 | 420.1 | 5.8 | 291.3 | 4.0 | 711.4 | 9.9 |
| 2001 | 7,486.8 | 442.5 | 5.9 | 301.3 | 4.0 | 743.8 | 9.9 |
| 2002 | 7,830.1 | 455.0 | 5.8 | 313.9 | 4.0 | 768.9 | 9.8 |
| 2003 | 8,162.5 | 473.1 | 5.8 | 329.6 | 4.0 | 802.8 | 9.8 |
| 2004 | 8,680.9 | 491.1 | 5.7 | 347.9 | 4.0 | 839.1 | 9.7 |
| 2005 | 9,092.0 | 518.2 | 5.7 | 367.2 | 4.0 | 885.4 | 9.7 |
| 2006 | 9,640.7 | 550.9 | 5.7 | ⁴ 390.8 | ⁴ 4.1 | ⁴ 941.7 | 9.8 |
| 2007 ⁴ | 10,403.1 | 576.2 | 5.5 | 409.3 | 3.9 | 985.5 | 9.5 |
| 2008 | 10,806.4 | 594.9 | 5.5 | 422.6 | 3.9 | 1,017.5 | 9.4 |
| 2009 | 10,923.6 | 605.4 | 5.5 | 429.2 | 3.9 | 1,034.6 | 9.5 |

¹ Food-at-home includes cash 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), but excludes government-donated foods.

² Food-away-from-home includes meals and snacks purchased by families and individuals and food furnished to employees, but excludes food paid for by government and business, such as donated foods to schools, meals in prisons and other institutions, and expense-account meals.

³ Total may not add due to rounding.

⁴ 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 ¹ | Quantity | Year ¹ | |
| Anthuriums | | | | | | |
| Total sold | 1,000 dozs. | 2,532 | 1980 | 216 | 1959 | 1959 |
| Price ² | \$/doz. | 9.09 | 1997 | .71 | 1967 | 1959 |
| Avocados | | | | | | |
| Harvested | Acres | 370 | 2009 | 90 | 1975 | 1946 |
| Production | 1,000 lbs. | 1,600 | 1982 | 400 | 1996 | 1946 |
| Price ² | ¢/lb. | 73.0 | 2008 | 6.1 | 1959 | 1946 |
| Bananas | | | | | | |
| Harvested | Acres | 1,490 | 2001 | 550 | 1977 | 1946 |
| Production | 1,000 lbs. | 29,000 | 2000 | 4,470 | 1983 | 1946 |
| Price ² | ¢/lb. | 55.0 | 2009 | 4.6 | 1946 | 1946 |
| Cabbage, head | | | | | | |
| Harvested | Acres | 740 | 1947 | 360 | 2004 | 1946 |
| Production | 1,000 lbs. | 15,750 | 1989 | 6,800 | 1953 | 1946 |
| Price ² | ¢/lb. | 34.0 | 2009 | 3.0 | 1959 | 1946 |
| Coffee | | | | | | |
| Harvested | Acres | 6,800 | 2000 | 1,650 | 1985 | 1946 |
| Production | 1,000 lbs. | 18,496 | 1957 | 990 | 1982 | 1946 |
| Price ² | ¢/lb. | 455.0 | 2005 | 17.8 | 1946 | 1946 |
| Foliage, potted (indoor) | | | | | | |
| Sales (value) | \$1,000 | 19,236 | 2001 | 171 | 1972 | 1972 |
| Ginger Root | | | | | | |
| Harvested | Acres | 360 | 2001 | 11 | 1974 | 1946 |
| Production | 1,000 lbs. | 18,000 | 2001 | 352 | 1974 | 1946 |
| Price ² | ¢/lb. | 160.0 | 2008 | 16.2 | 1949 | 1946 |
| Guavas | | | | | | |
| Harvested | Acres | 1,040 | 1990 | 60 | 1957 | 1955 |
| Production | 1,000 lbs. | 24,100 | 1990 | 1,737 | 1957 | 1955 |
| Price ² | ¢/lb. | 15.8 | 2008 | 3.1 | 1956 | 1955 |
| Macadamia nuts | | | | | | |
| Harvested | Acres | 19,300 | 1995 | 830 | 1953 | 1946 |
| Production (net, wet-in-shell) | 1,000 lbs. | 58,000 | 2006 | 630 | 1946 | 1946 |
| Price ² (net, wet-in-shell) | ¢/lb. | 90.0 | 1988 | 15.2 | 1946 | 1946 |
| Papayas | | | | | | |
| Harvested | Acres | 2,650 | 1985 | 320 | 1952 | 1946 |
| Production | 1,000 lbs. | 80,500 | 1984 | 5,525 | 1947 | 1946 |
| Price ² | ¢/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 ¹ | Quantity | Year ¹ | |
| Sugar³ | | | | | | |
| 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 | 176 | 2009 | 1909 |
| Price ² (sugar) | \$/ton | 633.00 | 1974 | 52.00 | 1940 | 1909 |
| Taro | | | | | | |
| Harvested | Acres | 1,020 | 1948 | 320 | 1980 | 1946 |
| Production | 1,000 lbs. | 14,195 | 1948 | 4,000 | 2009 | 1946 |
| Price ² | ¢/lb. | 62.0 | 2008 | 3.1 | 1949 | 1946 |
| Cattle and calves | | | | | | |
| 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 ² | \$/cwt. | 76.70 | 2006 | 12.30 | 1946 | 1946 |
| Hogs and pigs | | | | | | |
| Dec. 1 inventory | Head | 72,000 | 1965 | 13,000 | 2009 | 1960 |
| Production (live weight) | 1,000 lbs. | 13,159 | 1978 | 3,096 | 2009 | 1960 |
| Price ² | \$/cwt. | 97.20 | 2008 | 29.50 | 1964 | 1960 |
| Milk | | | | | | |
| Marketings | Million lbs. | 157.1 | 1988 | 17.9 | 2008 | 1946 |
| Production per cow | lbs./cow | 14,667 | 2002 | 8,750 | 1960 | 1960 |
| Price ² | \$/cwt. | 35.50 | 2009 | 6.75 | 1946 | 1946 |
| Eggs | | | | | | |
| Layers Dec. 1 | Birds | 1,037,000 | 1974 | 302,000 | 1950 | 1950 |
| Production | Million eggs | 229.3 | 1979 | 69.5 | 2009 | 1958 |
| Price ² | ¢/doz. | 151.0 | 2009 | 39.2 | 1968 | 1958 |

¹ In case of a tie, the most recent year was used.

² Prices are annual or crop-year average.

³ Primary data source, Hawaii Agricultural Research Center.



AGRICULTURE'S CONTRIBUTIONS TO HAWAII'S ECONOMY, 2005

This sequel to two previous CTAHR publications, EI-2 (2000) and EI-3 (2002), provides an update to the estimates of agriculture's contribution to Hawaii's economy. As mentioned in the earlier publications, estimates of agriculture's contributions vary depending on what is defined as "agriculture" and on the methodology used to develop those estimates. Agriculture as defined in this current publication uses the latest industry classification based on the North American Industry Classification System (NAICS) including crop and animal production; forestry, fishing and related activities; and food (including beverage and tobacco) product manufacturing.

The most comprehensive measure of the contribution of an industry is the value added or industry's gross domestic product¹ (GDP) as it avoids possible double-counting. The inclusion of other economic yardsticks such as employment, labor income and sales value provides a fuller picture of the performance of an industry.

Industry sales value is probably the most common measure of economic activities. For example, the Hawaii Department of Agriculture reports routinely the farmgate values of production agriculture. Despite its double counting problem, sales value measures the size of economic transactions of an industry based on which general excise and use taxes are generally levied.

Employment (number of full- and part-time wage-and-salary plus proprietors' jobs) provides another good indicator for measuring the contribution of an industry to the economy. Labor income (earnings), which primarily consists of the income received by persons from participation in production, provides yet another measure of an industry's contribution to the economy.

Against this background, the purpose of this publication is to summarize and compare the four measures described above – value-added or GDP, employment, labor income and sales value – in assessing the contribution of agriculture to Hawaii's economy for the years 1997, 2002 and 2005.

Agriculture's contribution to GDP

Hawaii's overall economy as measured by total GDP increased at an annual rate of 3.0% from 1997 to 2002 but has since grown quite rapidly at an annual rate of 8.0%. Agriculture GDP on the other hand reveals an opposite trend, growing at an annual rate of 2.8% from \$594 million in 1997 to \$682 million in 2002 but since then decreasing at an annual rate of 0.9% to \$664 million in 2005. While farm production was relatively stable

throughout the period 1997-2005, food product manufacturing steadily increased and forestry, fishing and related activities decreased quite rapidly. For the entire period, agriculture increased slightly at an average annual rate of 1.4%, while the overall economy grew at the faster rate of 4.8% per year. Hawaii seems to be following the national trend where agriculture's growth falls behind the overall growth of the economy.

Agriculture's contribution to employment

Total employment in the State increased at an annual rate of 1.6% from 740,028 jobs in 1997 to 838,740 jobs in 2005. However, total employment in agriculture decreased at an annual rate of 1.3% from 25,809 jobs in 1997 to 23,200 jobs in 2005. The decrease can be attributed primarily to decreases in the forestry, fishing and related activities sector, and to a lesser extent the food product manufacturing sector.

Agriculture's contribution to labor income

The trends of labor income for the economy, farm production, forestry, fishing and related activities, and food product manufacturing closely follow the corresponding employment trends. The share of agriculture labor income to total labor income declined from 2.1% in 1997 to 1.5% in 2005. Thus, the share of labor income for agriculture would tend to be lower than its employment share, reflecting the lower income of agricultural jobs.

Agriculture sales

Total agriculture sales (including farm production, forestry, fishing and related activities, and food product manufacturing) increased from \$1,643 million in 1997 to \$1,836 million in 2002 and further increased slightly to \$1,900 million in 2005. The share of agriculture sales as compared to the total Hawaii sales decreased slightly from 2.8% in 1997 to 2.6% in 2002 and further decreased in 2005 to 2.1%. This is similar to the GDP trend, since agricultural sales have been increasing at a slower rate than total sales of the economy.

To summarize, in 2005, agriculture contributed to 2.1% of total Hawaii sales, 1.2% of GDP, 2.8% of employment, and 1.5% of labor income. The complete publication, including an analysis on the total economic contributions with distribution margins is available at

<http://www.ctahr.hawaii.edu/oc/freepubs/pdf/EI-13.pdf>

¹ GDP by industry for each state replaces the former GSP (Gross State Product) by industry reported by the U.S. Bureau of Economic Analysis. Source: PingSun Leung, UH-CTAHR Department of Molecular Biosciences & Bioengineering, and Matthew K. Loke, Hawaii Department of Agriculture, Agricultural Development Division.



FARM FINANCIAL INDICATORS: Value Added to the Hawaii Economy by the Agricultural Sector Via the Production of Goods and Services, 2005-2009¹

| Item ² | 2005 | 2006 | 2007 | 2008 | 2009 |
|--|----------------------|---------|---------|---------|----------------|
| | <i>1,000 dollars</i> | | | | |
| Value of crop production | 511,311 | 513,670 | 514,224 | 541,274 | 511,347 |
| Fruits and tree nuts | 186,083 | 171,546 | 129,836 | 131,720 | 114,678 |
| Vegetables | 68,162 | 73,560 | 71,030 | 73,276 | 72,410 |
| All other crops | 255,954 | 267,340 | 312,019 | 334,675 | 322,684 |
| Home consumption | 1,112 | 1,224 | 1,339 | 1,603 | 1,575 |
| Value of inventory adjustment ³ | 0 | 0 | 0 | 0 | 0 |
| Value of livestock production | 77,579 | 65,721 | 64,849 | 66,312 | 72,479 |
| Meat animals | 27,100 | 30,610 | 29,878 | 27,664 | 31,941 |
| Dairy products | 18,387 | 14,508 | 9,673 | 5,460 | 7,491 |
| Poultry and eggs | 9,539 | 8,681 | 7,902 | 8,797 | 8,854 |
| Miscellaneous livestock | 19,173 | 14,253 | 21,339 | 25,817 | 23,327 |
| Home consumption | 166 | 167 | 183 | 186 | 215 |
| Value of inventory adjustment ³ | 3,214 | -2,498 | -4,126 | -1,612 | 651 |
| Revenues from services and forestry | 66,391 | 71,777 | 58,423 | 69,552 | 65,866 |
| Machine hire and customwork | 11,472 | 9,878 | 8,900 | 10,041 | 13,374 |
| Forest products sold | 400 | 400 | 400 | 400 | 400 |
| Other farm income | 19,250 | 25,077 | 16,033 | 21,142 | 12,315 |
| Gross imputed rental value of farm dwellings | 35,269 | 36,422 | 33,090 | 37,969 | 39,777 |
| Value of agricultural sector production | 655,281 | 651,168 | 637,496 | 677,138 | 649,692 |
| less: Purchased inputs | 226,671 | 232,189 | 241,564 | 249,072 | 260,232 |
| Farm origin | 42,126 | 37,544 | 37,625 | 42,866 | 41,354 |
| Feed purchased | 22,766 | 19,524 | 19,610 | 25,540 | 23,804 |
| Livestock and poultry purchased | 94 | 65 | 65 | 45 | 59 |
| Seed purchased | 19,266 | 17,955 | 17,950 | 17,281 | 17,491 |
| Manufactured inputs | 80,953 | 85,964 | 87,659 | 90,099 | 96,712 |
| Fertilizers and lime | 26,931 | 29,158 | 29,807 | 31,391 | 33,659 |
| Pesticides | 17,944 | 18,071 | 17,238 | 17,802 | 19,769 |
| Petroleum fuel and oils | 21,969 | 23,204 | 23,619 | 23,135 | 24,644 |
| Electricity | 14,109 | 15,531 | 16,995 | 17,771 | 18,640 |
| Other purchased inputs ⁴ | 103,592 | 108,681 | 116,280 | 116,107 | 122,166 |
| plus: Net government transactions ⁵ | -4,927 | -7,274 | -7,628 | -5,678 | -460 |
| Gross value added | 423,683 | 411,705 | 388,304 | 422,388 | 389,000 |
| less: Capital consumption | 42,582 | 43,752 | 48,436 | 51,674 | 54,222 |
| Net value added | 381,101 | 367,953 | 339,868 | 370,714 | 334,778 |
| less: Payments to stakeholders | 206,337 | 208,302 | 209,910 | 205,695 | 201,839 |
| Employee compensation (total hired labor) | 179,917 | 181,154 | 183,462 | 178,581 | 174,179 |
| Net rent received by nonoperator landlords | 8,456 | 6,730 | 5,101 | 5,188 | 6,065 |
| Real estate and nonreal estate interest | 17,964 | 20,418 | 21,347 | 21,926 | 21,595 |
| Net farm income | 174,764 | 159,651 | 129,958 | 165,019 | 132,939 |

¹ Revised.

² 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.

³ A positive value of inventory change represents current-year production not sold by December 31. A negative value is an offset to production from prior years included in current-year sales.

⁴ Includes repair and maintenance of capital items, machine hire and customwork, marketing, storage, and transportation expense, contract labor, and miscellaneous expenses.

⁵ Net government transactions is derived by subtracting motor vehicle registration, licensing fees, and property taxes from direct government payments.

Source: Economic Research Service, USDA.



2009 SUGAR AND SPECIALTY CROP HIGHLIGHTS

◆ Sugar

Sugar production for 2009 was 176,000 tons of 96° raw sugar, a decrease of 5 percent from the previous year. This was the seventh consecutive year for which raw sugar production levels decreased. Sugar price during 2009 increased 5 percent to \$374 per ton of 96° raw sugar, with a total value of \$65.8 million, slightly less than the 2008 level of \$66.1 million. Hawaii's sugar plantations were able to harvest 1.3 million tons of sugarcane from 20,300 acres. This production level was 6 percent less than 2008 and also was the seventh year of decline. The average yield for sugarcane harvested in 2009 was 65.6 tons per acre. Going into 2010, Hawaii has only one remaining sugar plantation. The sugar plantation on Kauai County shut down their growing operation in 2009. This operation has continuously grown sugarcane since 1892.

◆ Coffee

Coffee growers harvested 6,300 acres of coffee during the 2009-2010 growing season, unchanged from the previous year. Production levels, at 8.7 million pounds (parchment equivalent basis), were identical to the 2008-2009 production estimate. The average farm price for coffee from the 2009-2010 season was \$3.60 (parchment equivalent basis), up 20.0 cents from the 2008-2009 average price. Total farm revenues generated was an estimated \$31.3 million (parchment equivalent basis), 6 percent higher than the revised 2008-2009 value of \$29.6 million.

◆ Macadamia Nuts

Hawaii Macadamia nut growers delivered an estimated 50.0 million pounds of macadamia nuts (wet-in-shell) to processors during the 2009-2010 season. About 16 percent of the harvest was culled, resulting in 42.0 million pounds (net, wet-in-shell), which represents an 8.0 million pound or 16 percent decrease from last season. Losses from immature and moldy, rotten nuts accounted for more than half of the losses. Damage from insects, Koa Seed Worm, Tropical Nut Borer, and Stink Bug, was another cause being reported by growers and processors.

Dry weather contributed to this season's lower output. Other factors contributing to the smaller harvest were higher cost of inputs, wild pigs consuming nuts on the ground, and damage to flowers due to the vog. The macadamia nut industry has experienced difficult marketing conditions during these past years. Growers commented that harvesting their nuts has not been feasible and processors have limited their nut purchases.

Overall yields averaged 2,800 pounds per acre (net, wet-in-shell basis) for the 2009-2010 season, or 500 pounds less than the previous season. Total acreage and harvested acreage for the 2009-2010 season remained unchanged at 17,000 and 15,000 acres, respectively. The farm price for (net, wet-in-shell) macadamia nuts averaged 70.0 cents per pound, 3.0 cents higher than the 2008-2009 average and highest since the 81.0 cents average price estimated for the 2005-2006 season. The record-high average price is 90.0 cents set in 1988.

**COFFEE: Number of Farms, Acreage, Yield, Marketings, Price, and Value,
by County, 2005/2006-2009/2010 Crop Years**

| Crop year ¹ | Farms | Acreage | | Yield per acre ² | Marketings ³ | Farm prices | | | Value of sales | Green production |
|---|---------------|--------------------------|--------------|-------------------------------|-------------------------|------------------------------------|-----------|------------------|----------------------|---------------------|
| | | In crop | Harvested | | | Cherry | Parchment | All ⁴ | | |
| | <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> |
| State | | | | | | | | | | |
| 2005-2006 | 790 | 7,900 | 6,100 | 1.3 | 8,200 | | | 455.0 | 37,310 | 6,600 |
| 2006-2007 | 820 | 8,200 | 6,300 | 1.2 | 7,400 | | | 430.0 | 31,820 | 5,900 |
| 2007-2008 | 830 | 7,800 | 6,400 | 1.2 | 7,500 | | | 425.0 | 31,875 | 6,000 |
| 2008-2009 | 830 | 7,800 | 6,300 | 1.4 | 8,700 | | | 340.0 | 29,580 | 7,000 |
| 2009-2010 | 830 | 8,000 | 6,300 | 1.4 | 8,700 | | | 360.0 | 31,320 | 7,000 |
| County: | | | | | | | | | | |
| Hawaii | | | | | | | | | | |
| 2005-2006 | 745 | 3,800 | 3,300 | 1.8 | 5,800 | 120.0 | 670.0 | 535.0 | 31,030 | 4,700 |
| 2006-2007 | 775 | 3,800 | 3,000 | 1.3 | 4,000 | 135.0 | 765.0 | 640.0 | 25,600 | 3,200 |
| 2007-2008 | 790 | 3,800 | 3,000 | 1.3 | 3,900 | 140.0 | 820.0 | 650.0 | 25,350 | 3,100 |
| 2008-2009 | 790 | 3,800 | 2,900 | 1.4 | 4,100 | 115.0 | 680.0 | 530.0 | 21,730 | 3,300 |
| 2009-2010 ⁵ | | | | | | | | | | |
| Honolulu/Kauai/Maui ⁶ | | | | | | | | | | |
| 2005-2006 | 45 | 4,100 | 2,800 | .9 | 2,400 | | | 261.7 | 6,280 | 1,900 |
| 2006-2007 | 45 | 4,400 | 3,300 | 1.0 | 3,400 | | | 182.9 | 6,220 | 2,700 |
| 2007-2008 | 40 | 4,000 | 3,400 | 1.1 | 3,600 | | | 181.3 | 6,525 | 2,900 |
| 2008-2009 | 40 | 4,000 | 3,400 | 1.4 | 4,600 | | | 170.7 | 7,850 | 3,700 |
| 2009-2010 ⁵ | | | | | | | | | | |

¹ 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.

² Average yields based on parchment equivalent marketings and harvested acreage.

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

⁴ 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).

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

⁶ Kauai and Maui combined with Honolulu to avoid disclosure of individual operations.



GINGER ROOT

The ginger root estimating program was discontinued beginning with the 2009-2010 season. Harvested acreage, yield, and production will continue to be available every five years in the Census of Agriculture with the

upcoming reference year of 2012. Estimated acreage for the 2008-2009 season was half the area devoted for ginger root production when compared to the 2005-2006.

GINGER ROOT: Acreage, Yield, Production, Price, and Value, State of Hawaii, 2005/2006-2009/2010 Crop Years

| Crop year ¹ | Harvested acres | Yield per acre | Production | Farm price | Value of sales |
|-------------------------------|-----------------|--------------------------|------------|-----------------|----------------|
| | | ----- 1,000 pounds ----- | | Cents per pound | 1,000 dollars |
| 2005-2006 | 100 | 43.0 | 4,300 | 70.0 | 3,010 |
| 2006-2007 | 80 | 35.0 | 2,800 | 85.0 | 2,380 |
| 2007-2008 | 60 | 30.0 | 1,800 | 160.0 | 2,880 |
| 2008-2009 | 50 | 32.0 | 1,600 | 140.0 | 2,240 |
| 2009-2010 ² | | | | | |

¹ Harvesting normally begins in December and continues into the following year.

² Beginning 2009, data series discontinued.

GINGER ROOT: U.S. Imports, 2005-2009

| Year | Unground (including fresh) ¹ | Ground ² | Sweet ³ | Candied ⁴ | Total |
|-------------|---|---------------------|--------------------|----------------------|---------------------|
| | | | 1,000 pounds | | |
| 2005 | ⁵ 66,863 | 3,742 | 7,578 | 3,472 | ⁵ 81,655 |
| 2006 | ⁵ 66,738 | 3,029 | 8,034 | 4,268 | ⁵ 84,069 |
| 2007 | ⁵ 75,082 | 3,206 | 9,468 | 4,568 | ⁵ 92,324 |
| 2008 | 91,456 | 2,119 | 12,064 | 4,068 | 109,707 |
| 2009 | 92,102 | 1,651 | 10,971 | 3,569 | 108,293 |

¹ Harmonized number 0910.10.2000.

² Harmonized number 0910.10.4000.

³ Preserved by Nesoi, harmonized number 2008.99.6300.

⁴ Harmonized number 2006.00.3000.

⁵ Revised.

Source: USDA – Foreign Agriculture Services, Global Agricultural Trade System.



FRESH HERBS: Production, Price, and Value, State of Hawaii, 2005-2009

| Year | Basil | | | Parsley | Chinese parsley (Cilantro) | Other herbs ¹ | All herbs |
|---------------------------------------|-----------------|--------------|--------------|--------------|----------------------------|--------------------------|--------------|
| | Sweet (Italian) | Asian | Total | | | | |
| Production – 1,000 pounds | | | | | | | |
| 2005 | 1,700 | 1,300 | 3,000 | 250 | 200 | 950 | 4,400 |
| 2006 | 2,000 | 1,600 | 3,600 | 250 | 200 | 1,650 | 5,700 |
| 2007 | 2,100 | 1,600 | 3,700 | 140 | 150 | 1,410 | 5,400 |
| 2008 | 2,500 | 1,700 | 4,200 | 100 | 180 | 1,120 | 5,600 |
| 2009 | 1,900 | 2,300 | 4,200 | ² | ² | 1,100 | 5,300 |
| Farm price – dollars per pound | | | | | | | |
| 2005 | 2.45 | 1.10 | | 1.85 | 2.60 | 2.15 | |
| 2006 | 1.90 | .95 | | 1.85 | 2.40 | 1.70 | |
| 2007 | 1.65 | 1.25 | | 2.10 | 2.60 | 2.20 | |
| 2008 | 1.75 | 1.40 | | 2.25 | 2.40 | 2.15 | |
| 2009 | 1.95 | 1.35 | | ² | ² | 2.81 | |
| Farm value – 1,000 dollars | | | | | | | |
| 2005 | 4,165 | 1,430 | 5,595 | 463 | 520 | 2,043 | 8,621 |
| 2006 | 3,800 | 1,520 | 5,320 | 462 | 480 | 2,805 | 9,067 |
| 2007 | 3,465 | 2,000 | 5,465 | 294 | 390 | 3,102 | 9,251 |
| 2008 | 4,375 | 2,380 | 6,755 | 225 | 432 | 2,408 | 9,820 |
| 2009 | 3,705 | 3,105 | 6,810 | ² | ² | 3,087 | 9,897 |

¹ 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.

² Data not shown separately to avoid disclosure of individual operations but combined and included with "Other herbs."

SEED CROPS: Number of Farms, Acreage, Outshipments, and Value, State of Hawaii, 2005/2006-2009/2010

| Crop year ¹ | Farms | Acreage | | | | Total outshipments of seed | Value ² | | |
|------------------------|---------------|--------------|--------------|---------------|-------------------------|----------------------------|----------------------|----------------|------------------|
| | | 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> | | |
| 2005-2006 | 10 | 4,140 | 1,360 | 2,740 | 40 | 7,550 | 77,330 | 74,800 | 2,530 |
| 2006-2007 | 10 | 4,260 | 1,295 | 2,910 | 55 | 10,470 | 103,040 | 98,050 | 4,990 |
| 2007-2008 | 10 | 5,300 | 1,830 | 3,470 | 0 | 8,380 | 140,710 | 135,580 | 5,130 |
| 2008-2009 | 10 | 5,990 | 1,920 | 4,060 | 10 | 11,275 | 176,990 | 169,275 | 7,715 |
| 2009-2010 | 11 | 6,630 | 2,100 | 4,510 | 20 | 11,920 | 222,560 | 213,650 | 8,910 |

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

² Value is based on sales or gross operational budgets.



SUGARCANE

SUGARCANE: Number of Farms, Acreage, Yield, Production, Price, and Value, by County, 2005-2009 ¹

| Year | Farms ² | Acreage | | Yield per acre | | Production of cane for sugar | Farm price ³ | Value of cane for sugar ⁴ |
|----------------|--------------------|--------------------------------|---------------------|-------------------------|---------------------------|------------------------------|-------------------------|--------------------------------------|
| | | In crop ² | Harvested for sugar | Sugarcane ³ | Raw sugar 96 ^o | | | |
| | <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> |
| State | | | | | | | | |
| 2005 | 2 | 40.1 | 21.7 | 80.8 | 11.61 | 1,753 | 33.60 | 58.9 |
| 2006 | 2 | 42.1 | 20.4 | 79.1 | 10.44 | 1,614 | 31.10 | 50.2 |
| 2007 | 2 | 39.3 | 20.4 | 73.2 | 10.11 | 1,493 | 31.90 | 47.6 |
| 2008 | 2 | 39.7 | 20.4 | 69.7 | 9.05 | 1,422 | 31.10 | 44.2 |
| 2009 | 2 | 39.6 | 20.3 | 65.6 | 8.70 | 1,332 | 33.20 | 44.2 |
| County: | | | | | | | | |
| Kauai | | | | | | | | |
| 2005 | 1 | 7.1 | 5.1 | 82.7 | 11.70 | 422 | 34.80 | 14.7 |
| 2006 | 1 | 7.2 | 3.5 | 83.1 | 11.44 | 291 | 32.70 | 9.5 |
| 2007 | 1 | 6.9 | 3.5 | 86.6 | 11.89 | 303 | 32.20 | 9.8 |
| 2008 | 1 | 5.2 | 3.5 | 88.6 | 11.55 | 310 | 31.40 | 9.7 |
| 2009 | 1 | 5.2 | 5.2 | 68.8 | 9.45 | 358 | 39.60 | 14.2 |
| Maui | | | | | | | | |
| 2005 | 1 | 33.0 | 16.6 | 80.2 | 11.58 | 1,331 | 33.20 | 44.2 |
| 2006 | 1 | 34.9 | 16.9 | 78.3 | 10.24 | 1,323 | 30.80 | 40.7 |
| 2007 | 1 | 32.4 | 16.9 | 70.4 | 9.74 | 1,190 | 31.80 | 37.8 |
| 2008 | 1 | 34.5 | 16.9 | 65.8 | 8.55 | 1,112 | 31.00 | 34.5 |
| 2009 | 1 | 34.4 | 15.1 | 64.5 | 8.40 | 974 | 30.80 | 30.0 |

¹ Primary data source, Hawaii Agricultural Research Center.

² At end of year.

³ Yield and farm price may not compute exactly due to rounding.

⁴ 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, 2005-2009¹

| Year | Mill production | | Average returns received ² | | Value of production | | |
|----------------|---------------------------|-----------------------|---------------------------------------|-----------------------|-----------------------------|-----------------------|-------------|
| | Raw sugar 96 ^o | Molasses ³ | Raw sugar 96 ^o | Molasses ³ | Raw sugar 96 ^o | Molasses ³ | Total |
| | ----- 1,000 tons ----- | | ----- Dollars per ton ----- | | ----- Million dollars ----- | | |
| State | | | | | | | |
| 2005 | 253 | 73 | 347 | 63.30 | 87.9 | 4.6 | 92.5 |
| 2006 | 213 | 66 | 351 | 74.70 | 74.8 | 4.9 | 79.7 |
| 2007 | 206 | 62 | 344 | 85.80 | 70.9 | 5.4 | 76.3 |
| 2008 | 185 | 63 | 357 | 84.20 | 66.1 | 5.3 | 71.4 |
| 2009 | 176 | 55 | 374 | 140.30 | 65.8 | 7.8 | 73.6 |
| County: | | | | | | | |
| Kauai | | | | | | | |
| 2005 | 60 | 16 | 365 | 75.00 | 21.9 | 1.2 | 23.1 |
| 2006 | 40 | 10 | 356 | 70.00 | 14.2 | .7 | 14.9 |
| 2007 | 41 | 12 | 353 | 79.30 | 14.5 | 1.0 | 15.5 |
| 2008 | 40 | 11 | 365 | 70.00 | 14.6 | .8 | 15.4 |
| 2009 | 49 | 14 | 430 | 133.10 | 21.1 | 1.9 | 23.0 |
| Maui | | | | | | | |
| 2005 | 193 | 57 | 342 | 60.00 | 66.0 | 3.4 | 69.4 |
| 2006 | 173 | 56 | 350 | 75.50 | 60.6 | 4.2 | 64.8 |
| 2007 | 165 | 50 | 342 | 87.30 | 56.4 | 4.4 | 60.8 |
| 2008 | 145 | 52 | 355 | 87.20 | 51.5 | 4.5 | 56.0 |
| 2009 | 127 | 41 | 352 | 142.80 | 44.7 | 5.9 | 50.6 |

¹ Primary data source, Hawaii Agricultural Research Center.

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

³ Commercial.



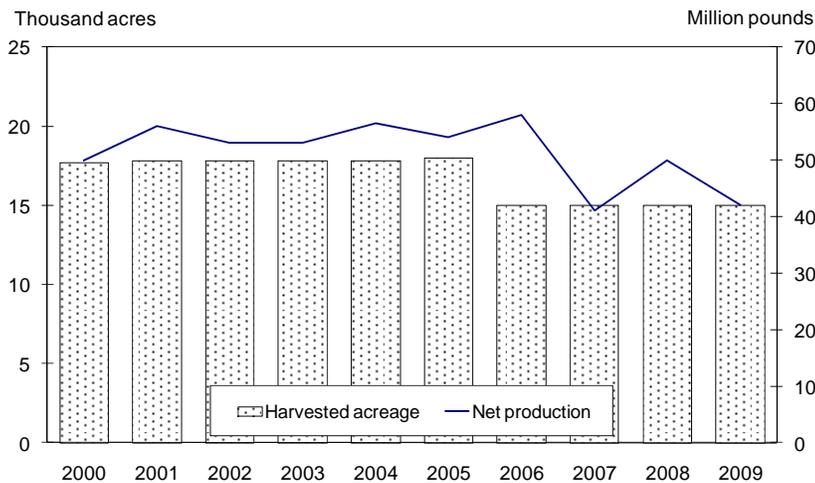
MACADAMIA NUTS

MACADAMIA NUTS: Number of Farms, Acreage, Yield, Production, Moisture, Price, and Value, State of Hawaii, 2005/2006-2009/2010 Crop Years

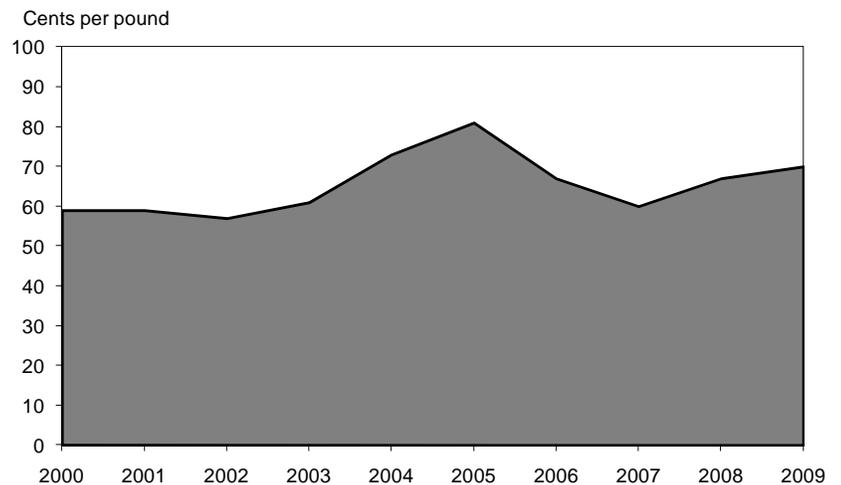
| Crop year ¹ | Farms | Acreage | | Yield per acre ² | Utilized production ³ | | Average moisture | | Farm prices ³ | | Farm value ⁶ |
|------------------------|------------------|--------------------------|---------------|-----------------------------|----------------------------------|------------------|----------------------------|----------------|------------------------------------|-------------|-------------------------|
| | | In crop | Harvested | | Gross | Net ⁴ | Entire crop | Purchases only | Gross ⁵ | Net | |
| | <i>Number</i> | <i>----- Acres -----</i> | | | <i>----- 1,000 pounds -----</i> | | <i>----- Percent -----</i> | | <i>Cents per ----- pound -----</i> | | <i>1,000 dollars</i> |
| 2005-2006 | 650 | 18,300 | 18,000 | 3.0 | 62,000 | 54,000 | 20.7 | 20.4 | 70.5 | 81.0 | 43,740 |
| 2006-2007 | 570 | 17,000 | 15,000 | 3.9 | 65,000 | 58,000 | 21.2 | 22.1 | 59.8 | 67.0 | 38,860 |
| 2007-2008 | ⁷ 570 | 17,000 | 15,000 | 2.7 | 48,000 | 41,000 | 21.3 | 21.5 | 51.3 | 60.0 | 24,600 |
| 2008-2009 | 570 | 17,000 | 15,000 | 3.3 | 60,000 | 50,000 | 20.5 | 21.4 | 55.8 | 67.0 | 33,500 |
| 2009-2010 | 570 | 17,000 | 15,000 | 2.8 | 50,000 | 42,000 | 20.1 | 20.8 | 58.8 | 70.0 | 29,400 |

¹ Season begins July 1st and ends June 30th of the following year. ² Net production divided by acreage harvested. ³ Wet-in-shell basis. ⁴ Gross pounds less total spoilage. ⁵ Farm value divided by gross production. ⁶ Net production multiplied by net farm price. ⁷ Revised.

MACADAMIA NUTS: Harvested Acreage and Net Production, State of Hawaii, 2000-2009 Seasons



MACADAMIA NUTS: Net, Wet-In-Shell Farm Prices, State of Hawaii, 2000-2009 Seasons



FLORICULTURE AND NURSERY PRODUCTS



The preliminary value of Hawaii's floriculture and nursery products is estimated at \$80.1 million for 2009, down 15 percent from the revised 2008 value. The downturn in the economy has continued from 2008 into 2009, negatively impacting grower sales and employee staffing levels. Other concerns were volcanic haze, adverse weather, and the high cost of farming. Some plant exporters noted restrictions on Hawaii exports have limited their sales.

FLORICULTURE AND NURSERY PRODUCTS: Value of Grower Sales, by County, 2005-2009

| Year | Cut flowers ¹ | Orchids ² | Lei flowers | Foliage ³ | Potted flowering plants | All other nursery products ⁴ | Unspecified sales ⁵ | Total |
|--------------------------|--------------------------|----------------------|--------------|----------------------|-------------------------|---|--------------------------------|---------------|
| <i>1,000 dollars</i> | | | | | | | | |
| State | | | | | | | | |
| 2005 | 13,997 | 22,225 | 3,687 | 19,509 | 6,278 | 33,796 | 1,470 | 100,962 |
| 2006 | 13,536 | 21,510 | 3,520 | 17,967 | 6,092 | 34,645 | 1,455 | 98,725 |
| 2007 | 12,170 | 21,542 | 4,709 | 20,074 | 6,499 | 41,996 | 1,720 | 108,710 |
| 2008 | 9,578 | 18,169 | 3,783 | 14,949 | 4,144 | 42,239 | 1,800 | 94,662 |
| 2009 | 7,220 | 15,708 | 2,560 | 12,410 | 4,114 | 36,480 | 1,600 | 80,092 |
| County: | | | | | | | | |
| Hawaii | | | | | | | | |
| 2005 | 10,160 | 14,302 | 933 | 16,826 | 965 | 9,663 | 600 | 53,449 |
| 2006 | 9,564 | 13,825 | 811 | 14,821 | 1,160 | 9,751 | 595 | 50,527 |
| 2007 | 7,704 | 14,075 | 656 | 16,197 | 1,153 | 10,687 | 720 | 51,192 |
| 2008 | 5,950 | 11,774 | 532 | 11,273 | 699 | 10,210 | 800 | 41,238 |
| 2009 ⁶ | | | | | | | | |
| Honolulu | | | | | | | | |
| 2005 | 806 | 6,490 | 1,482 | 2,143 | 3,409 | 17,669 | 400 | 32,399 |
| 2006 | 955 | 6,197 | 1,342 | 2,292 | 3,569 | 18,718 | 365 | 33,438 |
| 2007 | 952 | 5,922 | 2,507 | 3,201 | 4,413 | 23,200 | 430 | 40,625 |
| 2008 | 857 | 4,793 | 1,782 | 2,863 | 2,167 | 22,465 | 435 | 35,362 |
| 2009 ⁶ | | | | | | | | |
| Kauai | | | | | | | | |
| 2005 | 193 | 442 | 23 | 58 | 283 | 2,045 | 160 | 3,204 |
| 2006 | 232 | 496 | 33 | 341 | 98 | 1,597 | 140 | 2,937 |
| 2007 | 221 | 441 | 42 | 54 | 72 | 2,546 | 180 | 3,556 |
| 2008 | 226 | 483 | 37 | 294 | 73 | 2,641 | 195 | 3,949 |
| 2009 ⁶ | | | | | | | | |
| Maui | | | | | | | | |
| 2005 | 2,838 | 991 | 1,249 | 482 | 1,621 | 4,419 | 310 | 11,910 |
| 2006 | 2,785 | 992 | 1,334 | 513 | 1,265 | 4,579 | 355 | 11,823 |
| 2007 | 3,293 | 1,104 | 1,504 | 622 | 861 | 5,563 | 390 | 13,337 |
| 2008 | 2,545 | 1,119 | 1,432 | 519 | 1,205 | 6,923 | 370 | 14,113 |
| 2009 ⁶ | | | | | | | | |

¹ Cut orchids included in "Orchids" category.

² Includes cut and potted orchids.

³ Includes potted, cut, and unfinished.

⁴ Includes bedding/garden plants, plant rentals, landscape plants, propagation materials, sod, trees, and any other nursery products not elsewhere classified.

⁵ Includes grower sales greater than \$999 but less than \$10,000 which were not categorized.

⁶ County estimates not published due to staff reduction-in-force 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, 2005-2009¹

| Crop | Farms having sales ² | Quantity sold | Value of sales |
|---|---------------------------------|---------------|----------------------|
| | <i>Number</i> | <i>1,000</i> | <i>1,000 dollars</i> |
| CUT FLOWERS | | | |
| Anthuriums - dozens | | | |
| 2005 | 58 | 592 | 5,101 |
| 2006 | 58 | 661 | 4,878 |
| 2007 | 56 | 667 | 4,530 |
| 2008 | 48 | 525 | 3,518 |
| 2009 | 39 | 434 | 3,006 |
| Birds of Paradise - dozens | | | |
| 2005 | 33 | 49 | 380 |
| 2006 | 31 | 46 | 352 |
| 2007 | 31 | 28 | 207 |
| 2008 | 25 | 25 | 175 |
| 2009 | 20 | 16 | 129 |
| Chrysanthemums, pompon - bunches | | | |
| 2005 | 4 | 211 | 447 |
| 2006 | 5 | 205 | 441 |
| 2007 | 5 | 201 | 452 |
| 2008 | 5 | 191 | 437 |
| 2009³ | | | |
| Ginger, pink - dozens | | | |
| 2005 | 47 | 62 | 454 |
| 2006 | 52 | 69 | 549 |
| 2007 | 46 | 52 | 431 |
| 2008 | 45 | 47 | 394 |
| 2009 | 36 | 45 | 366 |
| Ginger, red - dozens | | | |
| 2005 | 64 | 134 | 995 |
| 2006 | 60 | 135 | 1,059 |
| 2007 | 59 | 118 | 952 |
| 2008 | 51 | 105 | 789 |
| 2009 | 45 | 80 | 605 |
| Gingers, other - dozens | | | |
| 2005 | 24 | 18 | 163 |
| 2006 | 20 | 21 | 206 |
| 2007 | 19 | 15 | 139 |
| 2008 | 20 | 11 | 104 |
| 2009 | 18 | 8 | 62 |
| Heliconias - dozens | | | |
| 2005 | 60 | 71 | 762 |
| 2006 | 64 | 68 | 822 |
| 2007 | 61 | 67 | 772 |
| 2008 | 55 | 62 | 670 |
| 2009 | 46 | 54 | 666 |

See footnotes at end of table.

Continued

FLORICULTURE AND NURSERY PRODUCTS



FLORICULTURE AND NURSERY PRODUCTS: Number of Farms, Quantity, and Value, State of Hawaii, 2005-2009¹ -- Continued

| Crop | Farms having sales ² | Quantity sold | Value of sales |
|---|---------------------------------|---------------|----------------------|
| | <i>Number</i> | <i>1,000</i> | <i>1,000 dollars</i> |
| Proteas - stems | | | |
| 2005 | 28 | 1,635 | 1,928 |
| 2006 | 31 | 2,293 | 1,828 |
| 2007 | 30 | 1,932 | 2,098 |
| 2008 | 25 | 1,380 | 1,329 |
| 2009 | 20 | 1,231 | 1,360 |
| Other cut flowers - dozens | | | |
| 2005 | 47 | NA | 3,767 |
| 2006 | 38 | NA | 3,401 |
| 2007 | 46 | NA | 2,589 |
| 2008 | 51 | NA | 2,162 |
| 2009 | 43 | NA | 1,026 |
| ORCHIDS | | | |
| Cymbidiums, cut | | | |
| 2005 | 13 | 428 | 311 |
| 2006 | 8 | 356 | 261 |
| 2007 | 10 | 407 | 243 |
| 2008 | 7 | 200 | 222 |
| 2009 | 9 | 210 | 226 |
| Dendrobiums, cut - dozens | | | |
| 2005 | 48 | 391 | 3,078 |
| 2006 | 43 | 309 | 2,481 |
| 2007 | 36 | 303 | 2,260 |
| 2008 | 38 | 280 | 2,170 |
| 2009 | 31 | 202 | 1,660 |
| Oncidiinae, cut⁴ - dozens | | | |
| 2005 | 28 | 59 | 674 |
| 2006 | 26 | 59 | 630 |
| 2007 | 20 | 48 | 535 |
| 2008 | 19 | 49 | 530 |
| 2009 | 15 | 29 | 348 |
| Other cut orchids⁵ - dozens | | | |
| 2005 | 13 | NA | 107 |
| 2006 | 15 | NA | 721 |
| 2007 | 15 | NA | 727 |
| 2008 | 22 | NA | 298 |
| 2009 | 18 | NA | 317 |

See footnotes at end of table.

Continued



FLORICULTURE AND NURSERY PRODUCTS

FLORICULTURE AND NURSERY PRODUCTS: Number of Farms, Quantity, and Value, State of Hawaii, 2005-2009¹ -- Continued

| Crop | Farms having sales ² | Quantity sold | Value of sales |
|---|---------------------------------|---------------|----------------------|
| | <i>Number</i> | <i>1,000</i> | <i>1,000 dollars</i> |
| Dendrobiums, potted | | | |
| 2005 | 72 | 1,103 | 5,879 |
| 2006 | 73 | 984 | 5,540 |
| 2007 | 60 | 911 | 5,092 |
| 2008 | 61 | 753 | 4,111 |
| 2009 | 58 | 627 | 3,474 |
| Dendrobiums, seedlings⁶ | | | |
| 2005 | 9 | NA | 177 |
| 2006 | 9 | NA | 60 |
| 2007 | 7 | NA | 343 |
| 2008 | 10 | NA | 353 |
| 2009 | 4 | NA | 333 |
| Oncidiinae, potted⁴ | | | |
| 2005 | 46 | 403 | 2,942 |
| 2006 | 37 | 222 | 1,310 |
| 2007 | 44 | 521 | 3,673 |
| 2008 | 43 | 402 | 3,087 |
| 2009³ | | | |
| Phalaenopsis, potted | | | |
| 2005 | 23 | 80 | 717 |
| 2006 | 23 | 90 | 752 |
| 2007 | 19 | 139 | 1,029 |
| 2008 | 23 | 119 | 945 |
| 2009 | 26 | 125 | 923 |
| Other potted orchids | | | |
| 2005 | 75 | 1,374 | 8,340 |
| 2006 | 78 | 1,615 | 9,755 |
| 2007 | 63 | 1,428 | 7,640 |
| 2008 | 62 | 1,090 | 6,453 |
| 2009 | 69 | 1,185 | 8,427 |

See footnotes at end of table.

Continued

FLORICULTURE AND NURSERY PRODUCTS



FLORICULTURE AND NURSERY PRODUCTS: Number of Farms, Quantity, and Value, State of Hawaii, 2005-2009¹ -- Continued

| Crop | Farms having sales ² | Quantity sold | Value of sales |
|---------------------------------|---------------------------------|---------------|----------------------|
| | <i>Number</i> | <i>1,000</i> | <i>1,000 dollars</i> |
| FOLIAGE | | | |
| Dracaena, potted | | | |
| 2005 | 28 | NA | 7,030 |
| 2006 | 26 | NA | 5,540 |
| 2007 | 29 | NA | 6,010 |
| 2008 | 26 | NA | 3,919 |
| 2009 | 25 | NA | 2,766 |
| Palms, potted | | | |
| 2005 | 49 | NA | 8,135 |
| 2006 | 49 | NA | 8,309 |
| 2007 | 39 | NA | 8,698 |
| 2008 | 35 | NA | 6,635 |
| 2009 | 30 | NA | 5,251 |
| Hanging baskets, potted | | | |
| 2005 | 13 | NA | 178 |
| 2006 | 15 | NA | 110 |
| 2007 | 11 | NA | 132 |
| 2008 | 10 | NA | 69 |
| 2009 | 11 | NA | 114 |
| Other potted foliage | | | |
| 2005 | 31 | NA | 2,499 |
| 2006 | 29 | NA | 2,170 |
| 2007 | 32 | NA | 3,763 |
| 2008 | 28 | NA | 3,443 |
| 2009 | 40 | NA | 3,226 |
| Ti leaves, cut - leaves | | | |
| 2005 | 41 | 5,800 | 668 |
| 2006 | 45 | 6,400 | 704 |
| 2007 | 35 | 3,800 | 387 |
| 2008 | 41 | 3,300 | 316 |
| 2009 | 38 | 2,400 | 235 |
| Other cut greens | | | |
| 2005 | 46 | NA | 382 |
| 2006 | 44 | NA | 530 |
| 2007 | 40 | NA | 547 |
| 2008 | 40 | NA | 421 |
| 2009 | 28 | NA | 325 |
| Unfinished foliage stock | | | |
| 2005 | 10 | NA | 617 |
| 2006 | 10 | NA | 604 |
| 2007 | 9 | NA | 537 |
| 2008 | 6 | NA | 146 |
| 2009 | 13 | NA | 493 |

See footnotes at end of table.

Continued



FLORICULTURE AND NURSERY PRODUCTS

FLORICULTURE AND NURSERY PRODUCTS: Number of Farms, Quantity, and Value, State of Hawaii, 2005-2009¹ -- Continued

| Crop | Farms having sales ² | Quantity sold | Value of sales |
|--|---------------------------------|---------------|----------------------|
| | <i>Number</i> | <i>1,000</i> | <i>1,000 dollars</i> |
| LEI/INDIVIDUAL BLOOMS | | | |
| Dendrobiums - blooms | | | |
| 2005 | 21 | 17,300 | 588 |
| 2006 | 23 | 14,900 | 535 |
| 2007 | 20 | 8,500 | 282 |
| 2008 | 22 | 9,700 | 328 |
| 2009 | 16 | 7,000 | 239 |
| Pikake - strands | | | |
| 2005 | 5 | 25.0 | 79 |
| 2006 | 6 | 56.0 | 160 |
| 2007 | 5 | 65.0 | 183 |
| 2008 | 5 | 56.0 | 167 |
| 2009³ | | | |
| Plumerias - blooms | | | |
| 2005 | 14 | 14,500 | 506 |
| 2006 | 15 | 13,200 | 397 |
| 2007 | 15 | 12,800 | 566 |
| 2008 | 11 | 9,500 | 400 |
| 2009 | 5 | 6,100 | 285 |
| Vandaceous⁷ - blooms | | | |
| 2005 | 6 | 8,300 | 306 |
| 2006 | 5 | 10,800 | 423 |
| 2007 | 4 | 7,400 | 331 |
| 2008 ³ | | | |
| 2009³ | | | |
| Other lei/individual - blooms | | | |
| 2005 | NA | NA | 2,208 |
| 2006 | NA | NA | 2,005 |
| 2007 | NA | NA | 3,347 |
| 2008 | NA | NA | 2,888 |
| 2009 | NA | NA | 2,036 |

See footnotes at end of table.

Continued

FLORICULTURE AND NURSERY PRODUCTS



FLORICULTURE AND NURSERY PRODUCTS: Number of Farms, Quantity, and Value, State of Hawaii, 2005-2009¹ -- Continued

| Crop | Farms having sales ² | Quantity sold | Value of sales |
|--------------------------------------|---------------------------------|---------------|----------------------|
| | <i>Number</i> | <i>1,000</i> | <i>1,000 dollars</i> |
| POTTED FLOWERING PLANTS | | | |
| Anthuriums | | | |
| 2005 | 17 | 101 | 549 |
| 2006 | 19 | 110 | 500 |
| 2007 | 13 | 101 | 379 |
| 2008 | 15 | 27 | 204 |
| 2009 | 14 | 30 | 253 |
| Bromeliads | | | |
| 2005 | 14 | 126 | 580 |
| 2006 | 11 | 140 | 648 |
| 2007 | 9 | 191 | 818 |
| 2008 | 10 | 45 | 279 |
| 2009 | 7 | 39 | 240 |
| Poinsettias | | | |
| 2005 | 31 | 360 | 1,644 |
| 2006 | 30 | 329 | 1,560 |
| 2007 | 20 | 291 | 1,306 |
| 2008 | 19 | 270 | 1,376 |
| 2009 | 21 | 287 | 1,337 |
| Other potted flowering plants | | | |
| 2005 | 31 | NA | 3,505 |
| 2006 | 28 | NA | 3,384 |
| 2007 | 27 | NA | 3,996 |
| 2008 | 30 | NA | 2,285 |
| 2009 | 29 | NA | 2,284 |
| POTTED BEDDING/GARDEN | | | |
| Impatiens, New Guinea | | | |
| 2005 | 13 | 132 | 213 |
| 2006 | 10 | 162 | 292 |
| 2007 | 8 | 111 | 155 |
| 2008 | 8 | 106 | 165 |
| 2009 | 9 | 96 | 157 |
| Impatiens, other | | | |
| 2005 | 15 | 286 | 176 |
| 2006 | 11 | 254 | 146 |
| 2007 | 8 | 203 | 114 |
| 2008 | 6 | 116 | 61 |
| 2009 | 6 | 142 | 76 |
| Other bedding/garden | | | |
| 2005 | 26 | NA | 2,551 |
| 2006 | 25 | NA | 2,828 |
| 2007 | 19 | NA | 3,130 |
| 2008 | 24 | NA | 2,640 |
| 2009 | 18 | NA | 2,640 |

See footnotes at end of table.

Continued



FLORICULTURE AND NURSERY PRODUCTS

FLORICULTURE AND NURSERY PRODUCTS: Number of Farms, Quantity, and Value, State of Hawaii, 2005-2009¹ -- Continued

| Crop | Farms having sales ² | Quantity sold | Value of sales |
|---|---------------------------------|---------------|----------------------|
| | <i>Number</i> | <i>1,000</i> | <i>1,000 dollars</i> |
| PLANT RENTALS | | | |
| 2005 | 43 | NA | 4,931 |
| 2006 | 42 | NA | 5,199 |
| 2007 | 43 | NA | 6,830 |
| 2008 | 56 | NA | 5,943 |
| 2009 | 38 | NA | 5,309 |
| LANDSCAPE PLANT MATERIAL⁸ | | | |
| 2005 | 154 | | 20,887 |
| 2006 | 138 | | 20,813 |
| 2007 | 164 | | 27,660 |
| 2008 | 163 | | 29,112 |
| 2009 | 119 | | 24,018 |
| OTHER NURSERY PRODUCTS⁹ | | | |
| 2005 | | | 5,038 |
| 2006 | | | 5,367 |
| 2007 | | | 4,107 |
| 2008 | | | 4,318 |
| 2009 | | | 4,280 |
| UNSPECIFIED SALES¹⁰ | | | |
| 2005 | | | 1,470 |
| 2006 | | | 1,455 |
| 2007 | | | 1,720 |
| 2008 | | | 1,800 |
| 2009 | | | 1,600 |
| TOTAL | | | |
| 2005 | 955 | | 100,962 |
| 2006 | 930 | | 98,725 |
| 2007 | 1,060 | | 108,710 |
| 2008 | 1,025 | | 94,662 |
| 2009 | 1,010 | | 80,092 |

NA = Not available.

¹ Includes only producers having total sales of \$10,000 or more.

² Number of farms having sales during that year; "Total" is unduplicated count.

³ Data not shown separately to avoid disclosure of individual operations but combined and included with "Other" category in each section.

⁴ Prior to 2007, formerly called Oncidium.

⁵ Includes cattleyas, vandaceous, phalaenopsis, and others.

⁶ Includes community pots, liners, tissue culture flasks, plugs, etc.

⁷ Prior to 2007, formerly called Vanda, Miss Joaquim.

⁸ Includes broadleaf and coniferous evergreens, deciduous and flower trees, palms, and 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.

⁹ Includes other flowers or nursery products not elsewhere classified.

¹⁰ Includes grower sales 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, 2005-2009

| Year | Farms | Greenhouse ¹ | Artificial shade | Open field | Total area |
|--------------------------|---------------|--------------------------------------|------------------|--------------------------|--------------|
| | <i>Number</i> | <i>----- 1,000 square feet -----</i> | | <i>----- Acres -----</i> | |
| State | | | | | |
| 2005 | 955 | 2,095 | 27,015 | 3,320 | 3,988 |
| 2006 | 930 | 2,190 | 25,410 | 3,430 | 4,064 |
| 2007 | 1,060 | 2,020 | 25,015 | 3,755 | 4,376 |
| 2008 | 1,025 | 2,120 | 23,570 | 2,580 | 3,170 |
| 2009 | 1,010 | 1,905 | 24,445 | 2,140 | 2,745 |
| County: | | | | | |
| Hawaii | | | | | |
| 2005 | 425 | 1,445 | 20,980 | 1,940 | 2,455 |
| 2006 | 415 | 1,450 | 20,165 | 2,085 | 2,581 |
| 2007 | 475 | 1,435 | 19,805 | 2,200 | 2,688 |
| 2008 | 465 | 1,520 | 18,100 | 1,080 | 1,530 |
| 2009 ² | | | | | |
| Honolulu | | | | | |
| 2005 | 265 | 275 | 4,715 | 660 | 774 |
| 2006 | 250 | 255 | 3,980 | 610 | 707 |
| 2007 | 285 | 140 | 4,215 | 695 | 795 |
| 2008 | 270 | 165 | 4,270 | 600 | 700 |
| 2009 ² | | | | | |
| Kauai | | | | | |
| 2005 | 80 | 110 | 525 | 195 | 210 |
| 2006 | 75 | 205 | 530 | 215 | 232 |
| 2007 | 90 | 90 | 505 | 220 | 234 |
| 2008 | 90 | 155 | 500 | 240 | 255 |
| 2009 ² | | | | | |
| Maui | | | | | |
| 2005 | 185 | 265 | 795 | 525 | 549 |
| 2006 | 190 | 280 | 735 | 520 | 544 |
| 2007 | 210 | 355 | 490 | 640 | 659 |
| 2008 | 200 | 280 | 700 | 660 | 685 |
| 2009 ² | | | | | |

¹ Glass or glass substitute structure.

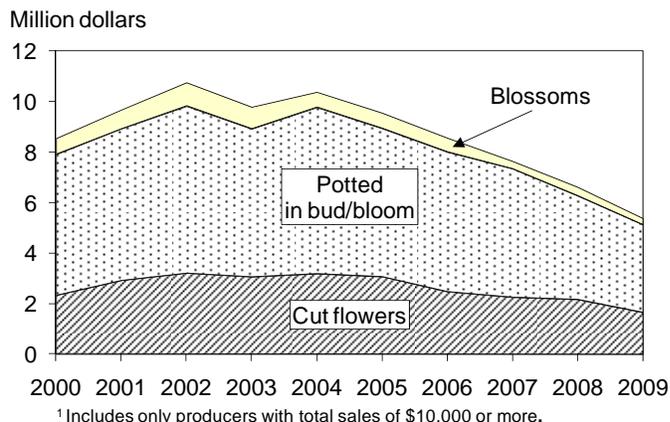
² County estimates not published due to staff reduction-in-force but combined and included in the State total.



FLORICULTURE AND NURSERY PRODUCTS



DENDROBIUMS: Value of Sales, State of Hawaii, 2000-2009¹



DENDROBIUM ORCHIDS: Sales and Value, State of Hawaii, 2005-2009¹

| Year | Individual blossoms | | Cut flowers ² | | Potted in bud/bloom | | Seedlings ³ | | Total value |
|-------------|-----------------------|----------------------|--------------------------|----------------------|---------------------|----------------------|------------------------|----------------------------------|--------------|
| | Number sold | Value | Number sold | Value | 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> | |
| 2005 | 17.3 | 588 | 391 | 3,078 | 1,103 | 5,879 | 39 | 177 | 9,722 |
| 2006 | 14.9 | 535 | 309 | 2,481 | 984 | 5,540 | 10 | 60 | 8,616 |
| 2007 | 8.5 | 282 | 303 | 2,260 | 911 | 5,092 | NA | 343 | 7,977 |
| 2008 | 9.7 | 328 | 280 | 2,170 | 753 | 4,111 | NA | 353 | 6,962 |
| 2009 | 7.0 | 239 | 202 | 1,660 | 627 | 3,474 | NA | 333 | 5,706 |

NA = Not Available.

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

² Prior to 2007, formerly called cut sprays.

³ Prior to 2007, formerly called community pots. Includes community pots, liners, tissue culture flasks, plugs, etc.

DENDROBIUM ORCHIDS (POTTED IN BUD/BLOOM AND CUT SPRAYS): Number of Farms and Production Area, State of Hawaii, 2005-2009¹

| Year | Farms | | Production area | | |
|-------------|---------------------------|---------------------|--------------------------------------|---------------------|--------------|
| | Cut flowers ² | Potted in bud/bloom | Cut flowers ² | Potted in bud/bloom | Total |
| | <i>----- Number -----</i> | | <i>----- 1,000 square feet -----</i> | | |
| 2005 | 48 | 72 | 3,315 | 2,355 | 5,670 |
| 2006 | 43 | 73 | 2,550 | 2,395 | 4,945 |
| 2007 | 36 | 60 | 2,390 | 2,640 | 5,030 |
| 2008 | 38 | 61 | 2,415 | 2,500 | 4,915 |
| 2009 | 31 | 58 | 2,050 | 2,145 | 4,195 |

¹ Includes only producers with \$10,000 or more in total sales.

² Prior to 2007, formerly called cut sprays.

FLORICULTURE AND NURSERY PRODUCTS



FLORICULTURE AND NURSERY PRODUCTS: Out-of-State Sales, State of Hawaii, 2005-2009 ¹

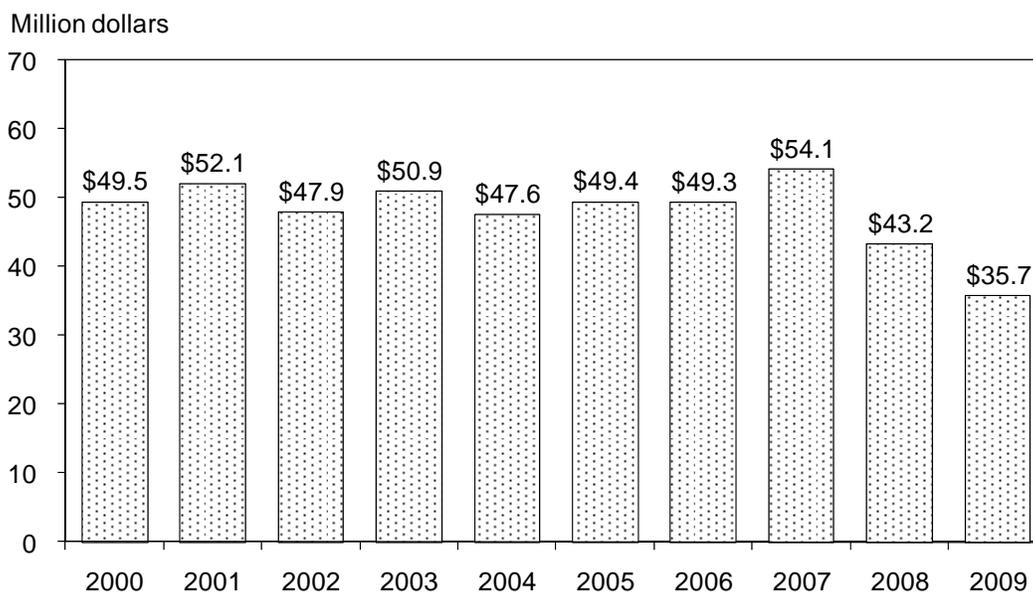
| Commodity | 2005 | 2006 | 2007 | 2008 | 2009 |
|---|---------------|---------------|---------------|---------------|---------------|
| <i>1,000 dollars</i> | | | | | |
| CUT FLOWERS | | | | | |
| Anthuriums | 6,210 | 6,935 | 6,905 | 5,800 | 4,560 |
| Birds of Paradise | 530 | 510 | 390 | 370 | 310 |
| Ginger, red | 680 | 620 | 520 | 510 | 400 |
| Gingers, other | 550 | 550 | 510 | 470 | 600 |
| Heliconias | 1,000 | 1,100 | 1,100 | 1,000 | 900 |
| Proteas | 2,000 | 1,900 | 2,040 | 1,500 | 1,500 |
| Mixed assortment of cut flowers | 1,600 | 3,020 | 3,910 | 3,890 | 3,000 |
| ORCHIDS | | | | | |
| Cymbidiums, cut | 140 | 135 | 140 | 125 | 125 |
| Dendrobiums, cut | 3,900 | 3,100 | 3,200 | 3,100 | 2,500 |
| Oncidiinae, cut ² | 470 | 580 | 485 | 680 | 470 |
| Dendrobiums, potted | 4,335 | 3,760 | 3,100 | 1,900 | 1,800 |
| Oncidiinae, potted ² | 2,430 | 1,250 | 2,920 | 3,720 | 3 |
| Phalaenopsis, potted | 530 | 480 | 325 | 400 | 580 |
| Other potted orchids | 7,805 | 9,285 | 7,975 | 5,765 | 6,940 |
| FOLIAGE | | | | | |
| Foliage, potted | 13,200 | 11,600 | 14,000 | 9,400 | 7,700 |
| Ti leaves, cut | 650 | 700 | 500 | 500 | 350 |
| Other cut greens | 1,200 | 1,400 | 1,400 | 1,300 | 1,100 |
| ALL OTHER FLOWERS AND NURSERY PRODUCTS | | | | | |
| | 2,200 | 2,400 | 4,700 | 2,800 | 2,900 |
| Total | 49,430 | 49,325 | 54,120 | 43,230 | 35,735 |

¹ 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.

² Prior to 2007, formerly called Oncidium.

³ Combined with other potted orchids.

FLORICULTURE & NURSERY PRODUCTS: Out-of-State Sales, State of Hawaii, 2000-2009 ¹



¹ Includes wholesale and retail sales.



Hawaii fruit growers harvested 53.1 million pounds of fruit, excluding pineapples, for fresh and processed utilization in 2009. This was a 4 percent decrease in contrast to comparable levels in 2008. Tropical specialty fruit information was not collected for 2009 due to the loss of state employees from the reduction-in-force action. Overall value, excluding pineapple, rose 7 percent to \$25.4 million due to higher banana production and price levels. In 2009, fruit acreage, excluding pineapple, totaled 3,940 acres, 3 percent less than the previous year's total. Harvested area, excluding pineapple, was down 1 percent to 2,930 acres or a decrease of 40 acres when compared to 2008. The major contributor to this acreage decline was papaya.

◆ **Avocado**

In 2009, the in crop acreage for avocado increased 10 percent and harvested acreage increased 12 percent when compared to the preceding year with acreage increases of 40 acres for each category. Production increased by 4 percent compared to 2008 levels. Average avocado price received by producers during 2009 fell 4.0 cents or

5 percent below the previous year. Value of sales for 2009 totaled \$718 thousand which was \$12 thousand or 2 percent below the 2008 crop.

◆ **Banana**

Both banana in crop and harvested acreage levels for 2009 were unchanged from the previous year. Utilized production was estimated at 18.5 million pounds, up 6 percent or 1.1 million pounds from the 2008 crop. Value of sales for 2009 totaled \$10.2 million, up 27 percent or \$2.2 million compared to the preceding year's crop. This notable rise not only attributed increased production, but also a 20 percent or 9.0 cents increase in the average price per pound received by producers.

◆ **Guava**

Processed guava production was estimated at 2.1 million pounds which was 1.4 million pounds or 40 percent below 2008's crop. Total acreage for 2009 was estimated at 175 acres, down 5 acres. Harvested acres totaled 135, down 25 acres or 16 percent compared to the previous year. The 2009 value of sales was estimated at \$294 thousand which fell \$259 thousand or 47 percent lower compared to 2008 levels.

◆ **Papaya**

The State's papaya growers devoted 2,025 acres toward papaya production, an 8 percent decline from the previous year. Harvested area totaled 1,325 acres, down 4 percent from 2008. Papaya output was also down 6 percent at 31.5 million pounds and the value of sales totaled \$14.2 million, 1 percent below 2008.

MARKET SUPPLY: FRESH FRUITS



MARKET SUPPLY: Fresh Market Fruits, State of Hawaii, 2005-2009 ^{1 2}

| Commodity | 2005 | 2006 | 2007 | 2008 | 2009 | Hawaii market share 2009 |
|--|--------------------------|---------|---------|--------------|---------------|--------------------------|
| | ----- 1,000 pounds ----- | | | | | Percent |
| Apples: Inshipments | 15,320 | 15,431 | 16,269 | 15,413 | ² | |
| Avocados: Inshipments | 2,130 | 2,349 | 2,332 | 1,971 | ² | |
| Hawaii | 800 | 1,020 | 1,160 | 1,000 | 1,040 | |
| Bananas: Inshipments | 13,017 | 15,408 | 16,028 | 19,552 | ² | |
| Hawaii | 20,900 | 22,000 | 25,600 | 17,400 | 18,500 | |
| Cantaloupe melons: Inshipments | 7,658 | 7,736 | 7,410 | 6,241 | ² | |
| Hawaii ³ | | | | | | |
| Grapefruit: Inshipments | 1,488 | 1,561 | 1,600 | 1,307 | ² | |
| Hawaii | 40 | 50 | 30 | 46 | ⁴ | |
| Grapes: Inshipments | 9,831 | 9,506 | 9,584 | 9,149 | ² | |
| Honeydew melons: Inshipments | 2,570 | 3,813 | 3,905 | 3,204 | ² | |
| Hawaii ³ | | | | | | |
| Lemons: Inshipments | 4,196 | 4,154 | 4,035 | 3,501 | ² | |
| Hawaii | 54 | 45 | 33 | 55 | ⁴ | |
| Limes: Inshipments | 1,678 | 1,749 | 2,139 | 1,957 | ² | |
| Hawaii | 59 | 121 | 69 | 76 | ⁴ | |
| Nectarines: Inshipments | 2,260 | 2,219 | 2,379 | 2,513 | ² | |
| Oranges: Inshipments | 15,740 | 14,824 | 10,671 | 12,381 | ² | |
| Hawaii ³ | | | | | | |
| Papayas: Inshipments ⁵ | | | | | | |
| Hawaii ⁶ | 18,755 | 16,740 | 18,650 | 16,960 | 17,170 | |
| Pears: Inshipments | 3,971 | 4,873 | 5,018 | 4,776 | ² | |
| Pineapples: Hawaii ⁷ | | | | | | |
| Tangerines: Inshipments | 1,254 | 1,893 | 1,460 | 2,000 | ² | |
| Hawaii | 51 | 85 | 89 | 98 | ⁴ | |
| Watermelons: Inshipments | 3,946 | 5,174 | 4,007 | 3,772 | ² | |
| Hawaii | 11,300 | 10,400 | 13,100 | ⁸ | ⁴ | |
| All other fruits: Inshipments | 15,507 | 16,382 | 17,010 | 12,478 | ² | |
| Hawaii | 5,601 | 7,612 | 7,709 | ⁸ | ⁴ | |
| Unspecified fruits: Inshipments ⁹ | 7,391 | 9,817 | 11,751 | 10,463 | ² | |
| Total: Inshipments | 107,957 | 116,889 | 115,598 | 110,678 | ² | |
| Hawaii | 57,560 | 58,073 | 66,440 | 52,744 | 50,239 | |
| All | 165,517 | 174,962 | 182,038 | 163,422 | NA | |

NA = Not available. ¹ Excludes pineapples, guavas, papayas, and passion fruit used for processing, and quantities shipped out-of-State. ² Inshipment data was provided by the Market Analysis and News Branch of the Hawaii Department of Agriculture. Data for 2009 is not available due to reduction-in-force eliminating all Market Analysis and News Branch positions. ³ Data not shown separately to avoid disclosure of individual operations but combined and included with "All other fruits". ⁴ Estimates not published due to staff reduction-in-force but combined and included in the total. ⁵ Data not shown separately but combined and included with "All other fruits". ⁶ Fresh intrastate sales only. Excludes mainland and foreign fresh sales. ⁷ Data not available. ⁸ Data not shown separately to avoid disclosure of individual operations but combined and included in the total. ⁹ 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, 2005-2009¹

| Crop | Farms ² | Acreage | | Number of trees | | Utilized production ³ | Farm price ^{3,4} | 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> |
| Atemoya | | | | | | | | |
| 2005 | 20 | 15 | 5 | 800 | 200 | 17 | 1.35 | 23 |
| 2006 | 25 | 10 | 5 | 500 | 300 | 13 | 1.31 | 17 |
| 2007 | 25 | 10 | 5 | 500 | 300 | 22 | 1.34 | 29 |
| 2008 ⁵ | | | | | | | | |
| 2009 ⁶ | | | | | | | | |
| Longan | | | | | | | | |
| 2005 | 65 | 185 | 85 | 8,700 | 4,000 | 141 | 3.09 | 436 |
| 2006 | 75 | 205 | 115 | 9,600 | 5,400 | 172 | 3.42 | 588 |
| 2007 | 75 | 245 | 160 | 11,400 | 7,500 | 263 | 2.98 | 784 |
| 2008 | 70 | 260 | 170 | 11,800 | 7,700 | 310 | 3.20 | 992 |
| 2009 ⁶ | | | | | | | | |
| Lychee | | | | | | | | |
| 2005 | 125 | 310 | 185 | 9,900 | 5,400 | 117 | 2.66 | 311 |
| 2006 | 135 | 330 | 185 | 10,900 | 5,400 | 153 | 2.97 | 454 |
| 2007 | 175 | 330 | 190 | 10,900 | 5,500 | 224 | 2.80 | 627 |
| 2008 | 150 | 330 | 190 | 10,900 | 5,500 | 230 | 2.75 | 633 |
| 2009 ⁶ | | | | | | | | |
| Mango | | | | | | | | |
| 2005 | 100 | 300 | 190 | 14,000 | 8,900 | 531 | 1.11 | 589 |
| 2006 | 120 | 310 | 210 | 14,000 | 9,500 | 774 | 1.09 | 844 |
| 2007 | 130 | 340 | 260 | 15,400 | 11,800 | 690 | .97 | 669 |
| 2008 | 130 | 350 | 270 | 15,000 | 11,900 | 660 | .98 | 647 |
| 2009 ⁶ | | | | | | | | |
| Persimmon | | | | | | | | |
| 2005 | 20 | 25 | 20 | 1,400 | 1,200 | 51 | 1.63 | 83 |
| 2006 | 20 | 25 | 25 | 1,400 | 1,400 | 86 | 1.57 | 135 |
| 2007 | 25 | 30 | 25 | 1,700 | 1,400 | 60 | 1.63 | 98 |
| 2008 | 25 | 30 | 25 | 1,700 | 1,400 | 70 | 1.60 | 112 |
| 2009 ⁶ | | | | | | | | |
| Rambutan | | | | | | | | |
| 2005 | 65 | 250 | 175 | 11,100 | 7,900 | 395 | 2.51 | 990 |
| 2006 | 70 | 305 | 190 | 13,800 | 8,400 | 132 | 2.82 | 372 |
| 2007 | 75 | 330 | 265 | 14,900 | 11,900 | 824 | 2.39 | 1,969 |
| 2008 | 70 | 290 | 230 | 13,500 | 10,400 | 450 | 2.40 | 1,080 |
| 2009 ⁶ | | | | | | | | |

See footnotes at end of table.

Continued



TROPICAL SPECIALTY FRUITS: Number of farms, acreage, number of trees, production, price, and value, State of Hawaii, 2005-2009¹ -- Continued

| Crop | Farms ² | Acreage | | Number of trees | | Utilized production ³ | Farm price ^{3,4} | 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> |
| Other | | | | | | | | |
| 2005 | -- | 185 | 70 | 7 | 7 | 204 | -- | 298 |
| 2006 | -- | 195 | 80 | 7 | 7 | 100 | -- | 215 |
| 2007 | -- | 185 | 65 | 7 | 7 | 197 | -- | 309 |
| 2008 | -- | 220 | 85 | 7 | 7 | 330 | -- | 528 |
| 2009⁶ | | | | | | | | |
| Total | | | | | | | | |
| 2005 | 265 | 1,270 | 730 | 7 | 7 | 1,456 | -- | 2,730 |
| 2006 | 305 | 1,380 | 810 | 7 | 7 | 1,430 | -- | 2,625 |
| 2007 | 310 | 1,470 | 970 | 7 | 7 | 2,280 | -- | 4,485 |
| 2008 | 320 | 1,480 | 970 | 7 | 7 | 2,050 | -- | 3,992 |
| 2009⁶ | | | | | | | | |

-- = Not applicable.

¹ 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.

² A farm may grow more than one type of fruit. Total farms is an unduplicated count; excludes home use.

³ Includes fresh and processed utilization when applicable.

⁴ Price shown reflects average prices received as sold by farmers (loose, packed, etc.), excluding any value added through processing.

⁵ Data not shown separately to avoid disclosure of individual operations but combined and included with "Other".

⁶ Estimates not published due to staff reduction-in-force but combined and included in the State total on page 7.

⁷ Data series discontinued.





PINEAPPLES

PINEAPPLES: Number of Farms, Acreage, Production, Disposition, Price, and Value, State of Hawaii, 2005-2009

| Year | Farms ¹ | Acreage used for crop | Production (fresh weight) | Disposition | | Farm price | | Value of production (fresh weight) |
|-------------|--------------------|-----------------------|---------------------------|--------------------------|--------------|------------------------|---------------------------|------------------------------------|
| | | | | Processed (fresh weight) | Fresh market | Processed ² | Fresh market ³ | |
| | <i>Number</i> | <i>1,000 acres</i> | <i>1,000 tons</i> | | | <i>Dollars per ton</i> | | <i>1,000 dollars</i> |
| 2005 | 30 | 14.0 | 212 | 106 | 106 | 148 | 600 | 79,288 |
| 2006 | 30 | 12.6 | 185 | 89 | 96 | 148 | 630 | 73,652 |
| 2007 | 40 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 2008 | 40 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 2009 | 40 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

¹ Includes large and small pineapple growers statewide.

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

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

⁴ Data not shown separately to avoid disclosure of individual operations.

PINEAPPLES: Fresh Market Sales, Processed Value, and Total Value, State of Hawaii, 2005-2009

| Year | Fresh market sales ¹ | | Processor value of canned fruit and juice production ³ | Total value: Fresh market and processed |
|--------------------------|---------------------------------|------------------------|---|---|
| | Quantity | Value ² | | |
| | <i>1,000 tons</i> | <i>Million dollars</i> | | |
| 2005 | 106 | 63.6 | 49.8 | 113.4 |
| 2006 | 96 | 60.5 | 4 | 4 |
| 2007 | 5 | 5 | 4 | 4 |
| 2008 | 5 | 5 | 4 | 4 |
| 2009 ⁵ | | | | |

¹ Includes "fresh cut".

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

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

⁴ Data not available.

⁵ Data not shown separately to avoid disclosure of individual operations.



AVOCADOS: Number of Farms, Acreage, Yield, Production, Price, and Value, State of Hawaii, 2005-2009

| Year | Farms | Acreage ¹ | | Yield per acre ² | Production | Farm price | Value of sales |
|-------------|---------------|----------------------|------------|-----------------------------|--------------|------------------------|----------------------|
| | | In crop | Bearing | | | | |
| | <i>Number</i> | <i>Acres</i> | | <i>1,000 pounds</i> | | <i>Cents per pound</i> | <i>1,000 dollars</i> |
| 2005 | 175 | 390 | 300 | 2.7 | 800 | 66.0 | 528 |
| 2006 | 225 | 380 | 330 | 3.1 | 1,020 | 68.0 | 694 |
| 2007 | 250 | 390 | 350 | 3.3 | 1,160 | 68.0 | 789 |
| 2008 | 250 | 400 | 330 | 3.0 | 1,000 | 73.0 | 730 |
| 2009 | 260 | 440 | 370 | 2.8 | 1,040 | 69.0 | 718 |

¹ At end of year.

² Production divided by bearing acreage.

BANANAS: Number of Farms, Acreage, Yield, Production, Price, and Value, State of Hawaii, 2005-2009

| Year | Farms | Acreage | | Yield per acre ² | Utilized production | Farm price | Value of sales |
|--------------|---------------|----------------------|--------------|-----------------------------|---------------------|------------------------|----------------------|
| | | In crop ¹ | Harvested | | | | |
| | <i>Number</i> | <i>Acres</i> | | <i>1,000 pounds</i> | | <i>Cents per pound</i> | <i>1,000 dollars</i> |
| State | | | | | | | |
| 2005 | 190 | 1,145 | 980 | 21.3 | 20,900 | 43.9 | 9,175 |
| 2006 | 230 | 1,300 | 1,100 | 20.0 | 22,000 | 49.0 | 10,780 |
| 2007 | 240 | 1,500 | 1,300 | 19.7 | 25,600 | 41.0 | 10,496 |
| 2008 | 230 | 1,300 | 1,100 | 15.8 | 17,400 | 46.0 | 8,004 |
| 2009 | 240 | 1,300 | 1,100 | 16.8 | 18,500 | 55.0 | 10,175 |

¹ At end of year.

² Utilized production divided by acreage harvested.



PAPAYAS: Acreage, Utilization, Outshipments, and Price, State of Hawaii, 2005-2009

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total or average |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------|
| Harvested acres ¹ | | | | | | | | | | | | | |
| 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 |
| 2006 | 1,790 | 1,795 | 1,785 | 1,785 | 1,760 | 1,510 | 1,510 | 1,330 | 1,325 | 1,320 | 1,315 | 1,135 | 1,530 |
| 2007 | 1,400 | 1,160 | 1,295 | 1,260 | 1,315 | 1,200 | 1,190 | 1,370 | 1,375 | 1,535 | 1,365 | 1,255 | 1,310 |
| 2008 | 1,430 | 1,430 | 1,430 | 1,310 | 1,315 | 1,315 | 1,350 | 1,350 | 1,320 | 1,405 | 1,450 | 1,460 | 1,380 |
| 2009 | 1,420 | 1,400 | 1,400 | 1,320 | 1,310 | 1,315 | 1,265 | 1,260 | 1,260 | 1,310 | 1,320 | 1,320 | 1,325 |
| Utilization (fresh and processed) – 1,000 pounds | | | | | | | | | | | | | |
| 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 |
| 2006 | 3,145 | 2,370 | 2,340 | 1,880 | 2,020 | 2,380 | 1,905 | 2,340 | 2,855 | 2,390 | 2,665 | 2,410 | 28,700 |
| 2007 | 2,530 | 2,235 | 2,605 | 2,750 | 2,610 | 2,260 | 2,820 | 3,020 | 2,885 | 3,380 | 3,220 | 3,085 | 33,400 |
| 2008 | 3,280 | 2,875 | 2,780 | 2,820 | 3,010 | 2,660 | 2,215 | 2,630 | 2,525 | 3,100 | 2,755 | 2,850 | 33,500 |
| 2009 | 2,200 | 2,330 | 2,760 | 2,710 | 2,795 | 2,795 | 3,090 | 2,100 | 2,545 | 2,715 | 2,750 | 2,710 | 31,500 |
| Total fresh papaya utilization – 1,000 pounds | | | | | | | | | | | | | |
| 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 |
| 2006 | 2,920 | 2,240 | 2,210 | 1,725 | 1,785 | 2,095 | 1,705 | 2,215 | 2,615 | 2,185 | 2,605 | 2,300 | 26,600 |
| 2007 | 2,465 | 2,015 | 2,345 | 2,445 | 2,365 | 2,170 | 2,590 | 2,815 | 2,765 | 3,340 | 3,075 | 2,810 | 31,200 |
| 2008 | 2,880 | 2,645 | 2,620 | 2,615 | 2,785 | 2,350 | 2,095 | 2,380 | 2,460 | 3,075 | 2,745 | 2,850 | 31,500 |
| 2009 | 2,190 | 2,270 | 2,615 | 2,520 | 2,595 | 2,585 | 2,775 | 2,075 | 2,545 | 2,710 | 2,710 | 2,710 | 30,300 |
| Intrastate fresh papaya utilization – 1,000 pounds | | | | | | | | | | | | | |
| 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 |
| 2006 | 1,730 | 1,450 | 1,315 | 1,065 | 1,120 | 1,285 | 1,050 | 1,400 | 1,730 | 1,375 | 1,705 | 1,515 | 16,740 |
| 2007 | 1,615 | 1,310 | 1,510 | 1,570 | 1,440 | 1,380 | 1,580 | 1,630 | 1,655 | 1,750 | 1,610 | 1,600 | 18,650 |
| 2008 | 1,680 | 1,410 | 1,415 | 1,440 | 1,460 | 1,230 | 1,150 | 1,305 | 1,290 | 1,645 | 1,505 | 1,430 | 16,960 |
| 2009 | 1,170 | 1,350 | 1,410 | 1,410 | 1,555 | 1,415 | 1,530 | 1,145 | 1,565 | 1,540 | 1,540 | 1,540 | 17,170 |
| Outshipments of fresh papaya – 1,000 pounds | | | | | | | | | | | | | |
| 2005 | 1,035 | 915 | 935 | 1,020 | 1,215 | 1,005 | 1,120 | 905 | 1,090 | 975 | 725 | 1,005 | 11,945 |
| 2006 | 1,190 | 790 | 895 | 660 | 665 | 810 | 655 | 815 | 885 | 810 | 900 | 785 | 9,860 |
| 2007 | 850 | 705 | 835 | 875 | 925 | 790 | 1,010 | 1,185 | 1,110 | 1,590 | 1,465 | 1,210 | 12,550 |
| 2008 | 1,200 | 1,235 | 1,205 | 1,175 | 1,325 | 1,120 | 945 | 1,075 | 1,170 | 1,430 | 1,240 | 1,420 | 14,540 |
| 2009 | 1,020 | 920 | 1,205 | 1,110 | 1,040 | 1,170 | 1,245 | 930 | 980 | 1,170 | 1,170 | 1,170 | 13,130 |
| Farm price for fresh market sales (to all markets) – cents per pound | | | | | | | | | | | | | |
| 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 |
| 2006 | 34.1 | 36.5 | 42.1 | 46.3 | 51.5 | 47.1 | 47.0 | 48.1 | 38.6 | 38.1 | 38.3 | 36.4 | 41.3 |
| 2007 | 39.8 | 41.9 | 45.0 | 46.1 | 46.6 | 49.4 | 45.8 | 38.1 | 37.1 | 37.8 | 38.3 | 39.7 | 41.7 |
| 2008 | 43.0 | 44.8 | 47.4 | 47.8 | 49.7 | 49.2 | 50.3 | 49.4 | 47.4 | 42.1 | 39.1 | 39.0 | 45.5 |
| 2009 | 48.2 | 50.5 | 46.8 | 44.0 | 43.8 | 44.3 | 45.0 | 44.6 | 49.8 | 47.7 | 47.7 | 48.0 | 46.7 |

¹ Total is average of monthly data.



**GUAVAS: Number of Farms, Acreage, Farm Production, Price, and Value,
by County, 2005-2009**

| Year | Farm production | | | | | |
|--|-----------------|--------------------------|------------|---------------------|-------------------------|----------------------|
| | Farms | Acreage | | Utilized production | Farm price ¹ | Value of sales |
| | | In crop | Harvested | | | |
| | <i>Number</i> | <i>----- Acres -----</i> | | <i>1,000 pounds</i> | <i>Cents per pound</i> | <i>1,000 dollars</i> |
| State | | | | | | |
| 2005 | 55 | 665 | 620 | 8,100 | 13.9 | 1,126 |
| 2006 | 50 | 575 | 365 | 7,400 | 14.2 | 1,051 |
| 2007 | 70 | 465 | 170 | 4,300 | 15.7 | 675 |
| 2008 | 60 | 180 | 160 | 3,500 | 15.8 | 553 |
| 2009 | 60 | 175 | 135 | 2,100 | 14.0 | 294 |
| County: | | | | | | |
| Hawaii | | | | | | |
| 2005 | 45 | 215 | 175 | 2 | 2 | 2 |
| 2006 | 40 | 125 | 100 | 2 | 2 | 2 |
| 2007 | 45 | 155 | 140 | 2 | 2 | 2 |
| 2008 | 45 | 160 | 145 | 2 | 2 | 2 |
| 2009³ | | | | | | |
| Honolulu/Kauai/Maui⁴ | | | | | | |
| 2005 | 10 | 450 | 445 | 2 | 2 | 2 |
| 2006 | 10 | 450 | 265 | 2 | 2 | 2 |
| 2007 | 25 | 310 | 30 | 2 | 2 | 2 |
| 2008 | 15 | 20 | 15 | 2 | 2 | 2 |
| 2009³ | | | | | | |

¹ State average grower price. Equivalent F.O.B. plant, county of production.
² Data not shown separately to avoid disclosure of individual operations but combined and included in the State total.
³ County estimates not published due to staff reduction-in-force but combined and included in the State total.
⁴ Kauai and Maui combined with Honolulu to avoid disclosure of individual operations.

GUAVAS: Farm production, State of Hawaii, 2005-2009

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total ¹ |
|-------------|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------------|
| | <i>1,000 pounds</i> | | | | | | | | | | | | |
| 2005 | 246 | 233 | 197 | 256 | 371 | 498 | 665 | 756 | 1,318 | 1,746 | 900 | 912 | 8,100 |
| 2006 | 202 | 164 | 162 | 188 | 227 | 429 | 625 | 802 | 1,272 | 1,570 | 934 | 825 | 7,400 |
| 2007 | ² | ² | ² | ² | ² | ² | ² | ² | ² | ² | ² | ² | 4,300 |
| 2008 | ² | ² | ² | ² | ² | ² | ² | ² | ² | ² | ² | ² | 3,500 |
| 2009 | ² | ² | ² | ² | ² | ² | ² | ² | ² | ² | ² | ² | 2,100 |

¹ Sum of monthly estimates may not add to annual total due to rounding.
² Data not shown separately to avoid disclosure of individual operations but combined and included in the State total.



estimated production was 8.7 million pounds down 700 thousand pounds or 7 percent below the previous year. Sweet potato was the second largest published vegetable volume crop estimated at 8.3 million pounds up 2 percent or 200 thousand pounds from the 2008 crop year.

The leading farm gate value of the published vegetables was estimated for sweet potatoes at \$5.4 million up 13 percent or \$633 thousand from the previous year. Head cabbage ranked second in farm gate value at \$3.0 million up \$156 thousand or 6 percent compared to the 2008 crop.

◆ **Vegetables and Melons**

Cumulative information for vegetables and melons were again modified for the 2009 year because of confidentiality concerns. The following comments and data comparison will be for only the selected crops published on the following two pages.

The farm gate value for Hawaii's selected vegetables and melons is estimated at \$24.9 million in 2009, up 1 percent from the 2008 level for the same 16 crops. Cumulative production for these 16 selected vegetables and melons was 34.4 million pounds, down 2 percent from 2008.

Prevailing dry conditions occurred during most of the year, especially on the Leeward slope of all islands. These dry circumstances required irrigation, sometimes at heavy levels, to maintain crop growth and development. Also, dry weather and warm conditions elevated insect infestation and resulted in damage. Hurricane Felicia in August fizzled before arriving but brought much needed rains to most areas.

The top volume-producing published crop during 2009 was head cabbage whose



◆ **Taro**

The USDA, NASS, Hawaii Field Office estimates taro production at 4.0 million pounds in 2009, down 7 percent from 2008's estimate of 4.3 million pounds. The farm price decreased 2 percent to an average of 61.0 cents per pound, while the value of sales decreased 8 percent from 2008 to \$2.4 million.



MARKET SUPPLY: FRESH VEGETABLES

MARKET SUPPLY: Fresh Market Vegetables, State of Hawaii, 2005-2009¹

| Commodity | | 2005 | 2006 | 2007 | 2008 | 2009 | Hawaii market share 2009 |
|------------------------|---------------------|--------------------------|--------------------|--------|--------|--------------|--------------------------|
| | | ----- 1,000 pounds ----- | | | | | Percent |
| Beans, snap: | Inshipments | 619 | 592 | 460 | 540 | 1 | |
| | Hawaii | 700 | 600 | 700 | 700 | 6 | |
| Bittermelon: | Inshipments | 149 | 108 | 123 | 74 | 1 | |
| | Hawaii | 250 | 180 | 150 | 140 | 360 | |
| Broccoli: | Inshipments | 5,794 | 5,830 | 5,535 | 5,205 | 1 | |
| | Hawaii | 600 | 330 | 390 | 360 | 300 | |
| Burdock: | Inshipments | 94 | 79 | 73 | 71 | 1 | |
| | Hawaii ² | | | | | | |
| Cabbage, Chinese: | Inshipments | 1,027 | 949 | 625 | 818 | 1 | |
| | Hawaii ³ | ⁴ 5,700 | ⁴ 6,100 | 6,300 | 5,600 | 5,500 | |
| Cabbage, head: | Inshipments | 3,054 | 2,930 | 2,540 | 2,329 | 1 | |
| | Hawaii | 9,800 | 10,100 | 10,400 | 9,400 | 8,700 | |
| Cabbage, mustard: | Inshipments | 237 | 262 | 223 | 282 | 1 | |
| | Hawaii | 1,400 | 1,400 | 1,400 | 1,300 | 1,300 | |
| Carrots: | Inshipments | 12,607 | 12,767 | 11,667 | 11,144 | 1 | |
| | Hawaii ² | | | | | | |
| Cauliflower: | Inshipments | 1,076 | 1,167 | 1,378 | 1,350 | 1 | |
| | Hawaii ² | | | | | | |
| Celery: | Inshipments | 4,931 | 5,497 | 5,192 | 5,133 | 1 | |
| | Hawaii | 830 | 670 | 510 | 360 | 6 | |
| Corn, sweet: | Inshipments | 1,169 | 712 | 806 | 611 | 1 | |
| | Hawaii | 1,700 | 1,800 | 2,400 | 2,200 | 6 | |
| Cucumbers: | Inshipments | 1,543 | 1,118 | 1,795 | 1,383 | 1 | |
| | Hawaii | 6,000 | 5,400 | 5,000 | 4,800 | 6 | |
| Daikon: | Inshipments | 6 | 6 | 2 | 6 | 1 | |
| | Hawaii ⁴ | 2 | 2 | 2 | 2 | 2 | |
| Dasheen: | Inshipments | 659 | 680 | 887 | 716 | 1 | |
| | Hawaii ² | | | | | | |
| Eggplant: | Inshipments | 986 | 821 | 970 | 734 | 1 | |
| | Hawaii | 1,200 | 1,000 | 760 | 900 | 1,300 | |
| Ginger root: | Inshipments | 224 | 105 | 394 | 928 | 1 | |
| | Hawaii | 5,100 | 4,300 | 2,800 | 1,800 | 1,600 | |
| Lettuce ⁵ : | Inshipments | 8,065 | 8,232 | 8,824 | 8,089 | 1 | |
| | Hawaii | 1,100 | 1,200 | 1,000 | 1,000 | 950 | |
| Lotus root: | Inshipments | 58 | 70 | 51 | 73 | 1 | |
| | Hawaii ² | | | | | | |
| Onions, dry: | Inshipments | 21,210 | 20,562 | 19,595 | 18,654 | 1 | |
| | Hawaii | 2,300 | 1,400 | 1,400 | 1,400 | 1,500 | |

See footnotes at end of table.

Continued

MARKET SUPPLY: FRESH VEGETABLES



MARKET SUPPLY: Fresh Market Vegetables, State of Hawaii, 2005-2009¹ -- Continued

| Commodity | 2005 | 2006 | 2007 | 2008 | 2009 | Hawaii market share 2009 |
|--------------------------|--------------------------|---------|---------|---------|---------------|--------------------------------|
| | ----- 1,000 pounds ----- | | | | | Percent |
| Onions, green: | | | | | | |
| Inshipments | 590 | 777 | 776 | 589 | 1 | |
| Hawaii | 1,700 | 1,500 | 1,400 | 1,600 | 1,400 | |
| Parsley, American: | | | | | | |
| Inshipments | 178 | 204 | 231 | 271 | 1 | |
| Hawaii | 250 | 250 | 140 | 100 | 6 | |
| Peas, Chinese: | | | | | | |
| Inshipments | 260 | 256 | 287 | 209 | 1 | |
| Hawaii ² | | | | | | |
| Peppers, green: | | | | | | |
| Inshipments | 2,997 | 3,402 | 4,864 | 4,790 | 1 | |
| Hawaii | 3,000 | 2,800 | 1,800 | 6 | 6 | |
| Potatoes: | | | | | | |
| Inshipments ⁴ | 39,032 | 39,191 | 24,392 | 22,291 | 1 | |
| Hawaii ² | | | | | | |
| Potatoes, sweet: | | | | | | |
| Inshipments | 1,337 | 1,530 | 1,715 | 1,616 | 1 | |
| Hawaii | 6,300 | 6,000 | 7,100 | 8,100 | 8,300 | |
| Pumpkins: | | | | | | |
| Inshipments | 363 | 203 | 419 | 903 | 1 | |
| Hawaii | 80 | 290 | 470 | 90 | 6 | |
| Radish: | | | | | | |
| Inshipments | 9 | 5 | 9 | 0 | 1 | |
| Hawaii ² | | | | | | |
| Romaine: | | | | | | |
| Inshipments | 10,465 | 10,355 | 10,937 | 9,334 | 1 | |
| Hawaii | 1,700 | 1,300 | 1,200 | 1,000 | 800 | |
| Squash, Italian: | | | | | | |
| Inshipments | 1,259 | 1,722 | 1,845 | 1,738 | 1 | |
| Hawaii | 1,500 | 1,100 | 1,200 | 1,480 | 1,170 | |
| Squash, Oriental: | | | | | | |
| Inshipments | 139 | 492 | 600 | 640 | 1 | |
| Hawaii | 450 | 400 | 500 | 350 | 340 | |
| Taro: | | | | | | |
| Inshipments | 705 | 962 | 305 | 232 | 1 | |
| Hawaii ³ | 100 | 100 | 100 | 100 | 100 | |
| Tomatoes: | | | | | | |
| Inshipments | 5,624 | 4,877 | 4,265 | 4,157 | 1 | |
| Hawaii | 14,200 | 14,700 | 14,300 | 6 | 6 | |
| Watercress: | | | | | | |
| Inshipments | 41 | 60 | 13 | 4 | 1 | |
| Hawaii | 700 | 750 | 770 | 750 | 820 | |
| All other vegetables: | | | | | | |
| Inshipments | 30,639 | 32,624 | 33,204 | 31,967 | 1 | |
| Hawaii | 18,300 | 21,100 | 6 | 6 | 6 | |
| Unspecified vegetables: | | | | | | |
| Inshipments ⁷ | 11,540 | 14,226 | 15,648 | 13,376 | 1 | |
| Total: | | | | | | |
| Inshipments | 168,686 | 159,147 | 160,650 | 150,257 | 1 | |
| Hawaii | 84,960 | 84,770 | 83,650 | 77,485 | 79,498 | |
| All | 253,646 | 243,917 | 244,300 | 227,742 | NA | |

NA = Not available.

¹ Inshipment data was provided by the Market Analysis and News Branch of the Hawaii Department of Agriculture. Data for 2009 is not available due to reduction-in-force eliminating all Market Analysis and News Branch positions.

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

³ For processing and fresh market.

⁴ Fresh market only.

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

⁶ Data not shown separately to avoid disclosure of individual operations but combined and included in the State total.

⁷ Vegetable data received without commodity names specified.



SNAP BEANS

SNAP BEANS: Acreage, Yield, Production, Price, and Value, by County, 2005-2009

| Year | Harvested acres | Yield per acre ----- 1,000 pounds ----- | Production | Farm price Cents per pound | Value of sales 1,000 dollars |
|---------------------------------|-----------------|--|------------|-------------------------------|---------------------------------|
| State¹ | | | | | |
| 2005 | 130 | 5.4 | 700 | 109.0 | 763 |
| 2006 | 120 | 5.0 | 600 | 105.0 | 630 |
| 2007 | 130 | 5.4 | 700 | 103.0 | 721 |
| 2008 | 120 | 5.8 | 700 | 107.0 | 749 |
| 2009² | | | | | |
| County: | | | | | |
| Hawaii/Kauai³ | | | | | |
| 2005 | 10 | 7.0 | 70 | 123.5 | 86 |
| 2006 | 10 | 7.5 | 75 | 127.0 | 95 |
| 2007 | 10 | 6.0 | 60 | 147.0 | 88 |
| 2008 | 10 | 7.0 | 70 | 127.0 | 89 |
| 2009² | | | | | |
| Honolulu | | | | | |
| 2005 | 75 | 6.1 | 460 | 111.0 | 511 |
| 2006 | 60 | 5.0 | 300 | 116.0 | 348 |
| 2007 | 70 | 5.4 | 380 | 122.0 | 464 |
| 2008 | 60 | 5.0 | 300 | 110.0 | 330 |
| 2009² | | | | | |
| Maui | | | | | |
| 2005 | 45 | 3.8 | 170 | 97.5 | 166 |
| 2006 | 50 | 4.5 | 225 | 83.0 | 187 |
| 2007 | 50 | 5.2 | 260 | 65.0 | 169 |
| 2008 | 50 | 6.6 | 330 | 100.0 | 330 |
| 2009² | | | | | |

¹ Sum of county estimates may not add to State total due to rounding.

² Data not shown separately to avoid disclosure of individual operations but combined and included in the State total on page 7.

³ Kauai combined with Hawaii to avoid disclosure of individual operations.

SNAP BEANS: Acreage, Production, and Price, State of Hawaii, 2005-2009

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total or average |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|
| Harvested acres¹ | | | | | | | | | | | | | |
| 2005 | 12 | 7 | 9 | 9 | 11 | 10 | 15 | 11 | 15 | 10 | 12 | 11 | 130 |
| 2006 | 16 | 7 | 10 | 10 | 5 | 8 | 13 | 8 | 8 | 10 | 12 | 13 | 120 |
| 2007 | 14 | 10 | 13 | 13 | 11 | 9 | 9 | 9 | 13 | 9 | 10 | 10 | 130 |
| 2008 | 8 | 11 | 12 | 11 | 11 | 8 | 7 | 11 | 10 | 10 | 11 | 10 | 120 |
| 2009² | | | | | | | | | | | | | |
| Production – 1,000 pounds | | | | | | | | | | | | | |
| 2005 | 30 | 39 | 57 | 57 | 74 | 67 | 109 | 61 | 85 | 41 | 48 | 32 | 700 |
| 2006 | 87 | 58 | 45 | 46 | 16 | 63 | 74 | 50 | 41 | 38 | 45 | 37 | 600 |
| 2007 | 48 | 59 | 52 | 66 | 51 | 71 | 58 | 54 | 77 | 56 | 56 | 52 | 700 |
| 2008 | 44 | 47 | 80 | 62 | 81 | 62 | 61 | 72 | 52 | 55 | 42 | 42 | 700 |
| 2009² | | | | | | | | | | | | | |
| Farm price – cents per pound | | | | | | | | | | | | | |
| 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 |
| 2006 | 124.9 | 118.0 | 122.5 | 123.5 | 135.7 | 102.6 | 104.2 | 92.3 | 70.1 | 75.0 | 90.7 | 90.3 | 105.0 |
| 2007 | 85.4 | 110.8 | 100.1 | 99.4 | 98.1 | 96.4 | 94.3 | 96.7 | 114.7 | 115.2 | 116.9 | 101.9 | 103.0 |
| 2008 | 93.4 | 104.1 | 92.8 | 115.2 | 113.2 | 107.2 | 107.8 | 100.9 | 94.6 | 99.2 | 124.4 | 144.2 | 107.0 |
| 2009² | | | | | | | | | | | | | |

¹ Sum of monthly data exceeds total because harvest period longer than 1 month.

² Data not shown separately to avoid disclosure of individual operations but combined and included in the State total on page 7.



CHINESE CABBAGE: Acreage, Yield, Production, Price, and Value, by County, 2005-2009

| Year | Harvested acres | Yield per acre ----- 1,000 pounds ----- | Production | Farm price Cents per pound | Value of sales 1,000 dollars |
|--|-----------------|--|--------------|-------------------------------|---------------------------------|
| State¹ | | | | | |
| 2005 | 260 | 21.9 | 5,700 | 30.0 | 1,710 |
| 2006 | 250 | 24.4 | 6,100 | 29.0 | 1,769 |
| 2007 | 270 | 23.3 | 6,300 | 30.0 | 1,890 |
| 2008 | 220 | 25.5 | 5,600 | 35.0 | 1,960 |
| 2009 | 210 | 26.2 | 5,500 | 35.0 | 1,925 |
| County: | | | | | |
| Hawaii | | | | | |
| 2005 | 180 | 24.4 | 4,400 | 29.3 | 1,289 |
| 2006 | 160 | 26.8 | 4,280 | 28.0 | 1,198 |
| 2007 | 180 | 25.3 | 4,560 | 30.0 | 1,368 |
| 2008 | 140 | 29.7 | 4,160 | 36.0 | 1,498 |
| 2009³ | | | | | |
| Honolulu/Kauai/Maui² | | | | | |
| 2005 | 80 | 16.3 | 1,300 | 32.4 | 421 |
| 2006 | 90 | 20.2 | 1,820 | 31.4 | 571 |
| 2007 | 90 | 19.3 | 1,740 | 30.0 | 522 |
| 2008 | 80 | 18.0 | 1,440 | 32.1 | 462 |
| 2009³ | | | | | |

¹ Sum of county estimates may not add to State total due to rounding.

² Kauai and Maui combined with Honolulu to avoid disclosure of individual operations.

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

CHINESE CABBAGE: Acreage, Production, and Price, State of Hawaii, 2005-2009

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total or average |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|
| Harvested acres | | | | | | | | | | | | | |
| 2005 | 24 | 29 | 27 | 25 | 29 | 16 | 17 | 18 | 20 | 18 | 18 | 19 | 260 |
| 2006 | 20 | 24 | 29 | 19 | 17 | 27 | 21 | 18 | 14 | 20 | 21 | 20 | 250 |
| 2007 | 23 | 24 | 26 | 27 | 22 | 25 | 22 | 21 | 20 | 20 | 22 | 18 | 270 |
| 2008 | 19 | 21 | 20 | 24 | 21 | 20 | 14 | 14 | 13 | 14 | 22 | 18 | 220 |
| 2009¹ | | | | | | | | | | | | | 210 |
| Processing and fresh market: | | | | | | | | | | | | | |
| Production – 1,000 pounds | | | | | | | | | | | | | |
| 2005 | 508 | 585 | 503 | 573 | 593 | 386 | 351 | 386 | 363 | 418 | 482 | 552 | 5,700 |
| 2006 | 578 | 548 | 558 | 561 | 657 | 575 | 426 | 389 | 413 | 416 | 459 | 520 | 6,100 |
| 2007 | 514 | 595 | 658 | 536 | 536 | 600 | 530 | 448 | 458 | 521 | 415 | 489 | 6,300 |
| 2008 | 381 | 637 | 604 | 463 | 546 | 484 | 380 | 409 | 352 | 521 | 398 | 425 | 5,600 |
| 2009¹ | | | | | | | | | | | | | 5,500 |
| Farm price – cents per pound | | | | | | | | | | | | | |
| 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 |
| 2006 | 28.8 | 27.2 | 26.4 | 26.4 | 25.1 | 27.6 | 28.8 | 31.3 | 35.8 | 33.1 | 33.0 | 29.6 | 29.0 |
| 2007 | 29.5 | 32.8 | 30.1 | 26.1 | 24.5 | 28.3 | 28.9 | 32.9 | 32.4 | 30.4 | 32.3 | 33.6 | 30.0 |
| 2008 | 31.3 | 33.9 | 31.1 | 25.3 | 28.8 | 34.6 | 34.5 | 49.1 | 42.0 | 41.1 | 37.2 | 36.0 | 35.0 |
| 2009¹ | | | | | | | | | | | | | 35.0 |

¹ Estimates not published due to staff reduction-in-force but combined and included in the State total.



HEAD CABBAGE

HEAD CABBAGE: Acreage, Yield, Production, Price, and Value, by County, 2005-2009

| Year | Harvested acres | Yield per acre ----- 1,000 pounds ----- | Production | Farm price Cents per pound | Value of sales 1,000 dollars |
|---|-----------------|--|--------------|-------------------------------|---------------------------------|
| State ¹ | | | | | |
| 2005 | 430 | 22.8 | 9,800 | 28.0 | 2,744 |
| 2006 | 450 | 22.4 | 10,100 | 27.0 | 2,727 |
| 2007 | 440 | 23.6 | 10,400 | 29.0 | 3,016 |
| 2008 | 410 | 22.9 | 9,400 | 30.0 | 2,820 |
| 2009 | 420 | 20.7 | 8,700 | 34.0 | 2,976 |
| County: | | | | | |
| Hawaii/Honolulu/Kauai ² | | | | | |
| 2005 | 230 | 23.0 | 5,300 | 28.5 | 1,511 |
| 2006 | 310 | 22.6 | 7,000 | 27.4 | 1,918 |
| 2007 | 320 | 22.5 | 7,200 | 29.0 | 2,088 |
| 2008 | 300 | 20.3 | 6,100 | 30.0 | 1,830 |
| 2009 ³ | | | | | |
| Maui | | | | | |
| 2005 | 200 | 22.5 | 4,500 | 27.4 | 1,233 |
| 2006 | 140 | 22.1 | 3,100 | 26.1 | 809 |
| 2007 | 120 | 26.7 | 3,200 | 29.0 | 928 |
| 2008 | 110 | 30.0 | 3,300 | 30.0 | 990 |
| 2009 ³ | | | | | |

¹ Sum of county estimates may not add to State total due to rounding.

² Honolulu and Kauai combined with Hawaii to avoid disclosure of individual operations.

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

HEAD CABBAGE: Acreage, Production, and Price, State of Hawaii, 2005-2009

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total or average |
|-------------------------------------|------|-------|-------|-------|-------|-------|------|------|------|------|------|-------|------------------|
| Harvested acres | | | | | | | | | | | | | |
| 2005 | 29 | 41 | 43 | 50 | 46 | 29 | 24 | 25 | 27 | 22 | 46 | 48 | 430 |
| 2006 | 49 | 45 | 47 | 48 | 39 | 39 | 47 | 18 | 21 | 25 | 30 | 42 | 450 |
| 2007 | 42 | 46 | 42 | 43 | 44 | 42 | 39 | 30 | 21 | 21 | 30 | 40 | 440 |
| 2008 | 37 | 36 | 45 | 39 | 50 | 38 | 34 | 21 | 20 | 19 | 31 | 40 | 410 |
| 2009 ¹ | | | | | | | | | | | | | 420 |
| Production – 1,000 pounds | | | | | | | | | | | | | |
| 2005 | 656 | 665 | 1,076 | 1,163 | 1,011 | 1,072 | 646 | 538 | 481 | 514 | 773 | 1,205 | 9,800 |
| 2006 | 928 | 1,000 | 1,239 | 1,109 | 935 | 912 | 956 | 464 | 451 | 499 | 754 | 853 | 10,100 |
| 2007 | 782 | 932 | 1,374 | 985 | 1,037 | 1,079 | 968 | 744 | 468 | 602 | 734 | 695 | 10,400 |
| 2008 | 681 | 728 | 1,509 | 989 | 1,004 | 764 | 737 | 530 | 515 | 530 | 637 | 776 | 9,400 |
| 2009 ¹ | | | | | | | | | | | | | 8,700 |
| Farm price – cents per pound | | | | | | | | | | | | | |
| 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 |
| 2006 | 27.6 | 23.8 | 21.9 | 22.3 | 25.4 | 25.4 | 26.4 | 32.6 | 36.6 | 32.0 | 33.8 | 30.2 | 27.0 |
| 2007 | 29.7 | 36.2 | 33.8 | 27.1 | 25.3 | 20.5 | 24.0 | 24.0 | 30.4 | 33.9 | 34.8 | 31.5 | 29.0 |
| 2008 | 30.8 | 36.0 | 31.3 | 27.0 | 26.1 | 25.6 | 27.5 | 30.7 | 30.1 | 28.6 | 34.6 | 33.5 | 30.0 |
| 2009 ¹ | | | | | | | | | | | | | 34.0 |

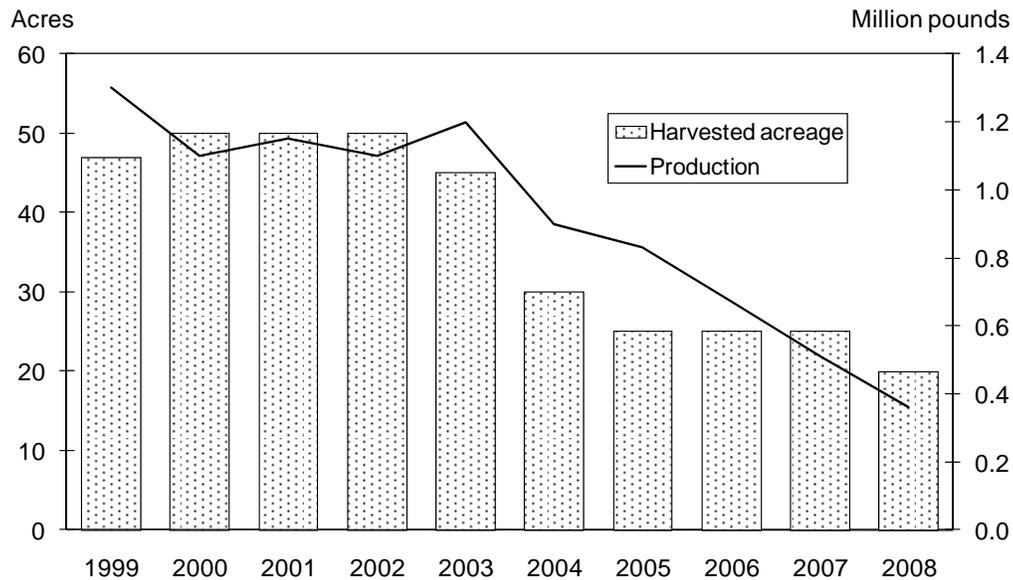
¹ Estimates not published due to staff reduction-in-force but combined and included in the State total.

CELERY: Acreage, Yield, Production, Price, and Value, State of Hawaii, 2005-2009

| Year | Harvested acres | Yield per acre | Production | Farm price | Value of sales |
|-------------------------|-----------------|--------------------------|------------|-----------------|----------------|
| | | ----- 1,000 pounds ----- | | Cents per pound | 1,000 dollars |
| State | | | | | |
| 2005 | 25 | 33.2 | 830 | 37.0 | 307 |
| 2006 | 25 | 26.8 | 670 | 37.0 | 248 |
| 2007 | 25 | 20.4 | 510 | 44.0 | 224 |
| 2008 | 20 | 18.0 | 360 | 38.0 | 137 |
| 2009¹ | | | | | |

¹ Beginning 2009, data series discontinued.

CELERY: Acreage and Production, State of Hawaii, 1999-2008





SWEET CORN

SWEET CORN: Acreage, Yield, Production, Price, and Value, State of Hawaii, 2005-2009

| Year | Harvested acres | Yield per acre ----- 1,000 pounds ----- | Production | Farm price Cents per pound | Value of sales 1,000 dollars |
|-------------------------|-----------------|--|------------|-------------------------------|---------------------------------|
| State | | | | | |
| 2005 | 410 | 4.1 | 1,700 | 55.0 | 935 |
| 2006 | 350 | 5.1 | 1,800 | 66.0 | 1,188 |
| 2007 | 450 | 5.3 | 2,400 | 62.0 | 1,488 |
| 2008 | 400 | 5.5 | 2,200 | 56.0 | 1,232 |
| 2009¹ | | | | | |

¹ Data not shown separately to avoid disclosure of individual operations but combined and included in the State total on page 7.

SWEET CORN: Acreage, Production, and Price, State of Hawaii, 2005-2009

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total or average |
|-------------------------------------|------|------|-------|------|------|------|------|------|------|------|------|------|------------------------|
| Harvested acres | | | | | | | | | | | | | |
| 2005 | 26 | 18 | 24 | 32 | 30 | 39 | 41 | 48 | 39 | 48 | 38 | 27 | 410 |
| 2006 | 17 | 21 | 23 | 20 | 19 | 35 | 26 | 42 | 40 | 29 | 44 | 34 | 350 |
| 2007 | 24 | 25 | 28 | 35 | 51 | 58 | 28 | 48 | 25 | 37 | 56 | 35 | 450 |
| 2008 | 24 | 10 | 31 | 28 | 41 | 31 | 35 | 37 | 28 | 41 | 57 | 37 | 400 |
| 2009¹ | | | | | | | | | | | | | |
| Production – 1,000 pounds | | | | | | | | | | | | | |
| 2005 | 60 | 63 | 71 | 114 | 137 | 249 | 219 | 241 | 149 | 155 | 122 | 120 | 1,700 |
| 2006 | 86 | 79 | 61 | 123 | 85 | 189 | 147 | 248 | 215 | 160 | 209 | 198 | 1,800 |
| 2007 | 103 | 119 | 197 | 221 | 331 | 287 | 171 | 238 | 116 | 202 | 238 | 177 | 2,400 |
| 2008 | 117 | 77 | 144 | 222 | 298 | 225 | 235 | 234 | 132 | 171 | 183 | 162 | 2,200 |
| 2009¹ | | | | | | | | | | | | | |
| Farm price – cents per pound | | | | | | | | | | | | | |
| 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 |
| 2006 | 39.5 | 60.2 | 133.6 | 61.5 | 63.7 | 76.8 | 68.4 | 73.2 | 59.2 | 56.1 | 55.8 | 67.5 | 66.0 |
| 2007 | 67.8 | 70.7 | 71.9 | 65.0 | 57.3 | 64.7 | 66.3 | 61.6 | 67.9 | 57.7 | 54.5 | 49.6 | 62.0 |
| 2008 | 50.3 | 55.9 | 51.2 | 57.6 | 55.1 | 58.6 | 57.5 | 57.1 | 62.8 | 57.7 | 55.6 | 49.2 | 56.0 |
| 2009¹ | | | | | | | | | | | | | |

¹ Data not shown separately to avoid disclosure of individual operations but combined and included in the State total on page 7.



CUCUMBERS: Acreage, Yield, Production, Price, and Value, by County, 2005-2009

| Year | Harvested acres | Yield per acre ----- 1,000 pounds ----- | Production | Farm price Cents per pound | Value of sales 1,000 dollars |
|---------------------------------|-----------------|--|------------|-------------------------------|---------------------------------|
| State | | | | | |
| 2005 | 440 | 13.6 | 6,000 | 46.0 | 2,760 |
| 2006 | 330 | 16.4 | 5,400 | 50.0 | 2,700 |
| 2007 | 310 | 16.1 | 5,000 | 50.0 | 2,500 |
| 2008 | 310 | 15.5 | 4,800 | 57.0 | 2,736 |
| 2009¹ | | | | | |
| County: | | | | | |
| Hawaii/Kauai² | | | | | |
| 2005 | 15 | 14.7 | 220 | 53.1 | 117 |
| 2006 | 10 | 22.0 | 220 | 68.7 | 151 |
| 2007 | 10 | 14.0 | 140 | 82.5 | 116 |
| 2008 | 15 | 9.3 | 140 | 85.0 | 119 |
| 2009¹ | | | | | |
| Honolulu | | | | | |
| 2005 | 230 | 13.0 | 3,000 | 45.1 | 1,353 |
| 2006 | 130 | 12.2 | 1,580 | 49.0 | 774 |
| 2007 | 110 | 16.4 | 1,800 | 49.0 | 882 |
| 2008 | 95 | 18.5 | 1,760 | 61.0 | 1,074 |
| 2009¹ | | | | | |
| Maui | | | | | |
| 2005 | 195 | 14.3 | 2,780 | 46.4 | 1,290 |
| 2006 | 190 | 18.9 | 3,600 | 49.3 | 1,775 |
| 2007 | 190 | 16.1 | 3,060 | 49.1 | 1,502 |
| 2008 | 200 | 14.5 | 2,900 | 53.2 | 1,543 |
| 2009¹ | | | | | |

¹ Data not shown separately to avoid disclosure of individual operations but combined and included in the State total on page 7.

² Kauai combined with Hawaii to avoid disclosure of individual operations.

CUCUMBERS: Acreage, Production, and Price, State of Hawaii, 2005-2009

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total or average |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|
| Harvested acres¹ | | | | | | | | | | | | | |
| 2005 | 35 | 29 | 36 | 35 | 36 | 35 | 37 | 37 | 52 | 38 | 38 | 34 | 440 |
| 2006 | 26 | 25 | 23 | 20 | 25 | 29 | 31 | 25 | 29 | 27 | 25 | 25 | 330 |
| 2007 | 29 | 27 | 23 | 24 | 23 | 26 | 28 | 26 | 27 | 26 | 26 | 25 | 310 |
| 2008 | 23 | 21 | 25 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 25 | 310 |
| 2009² | | | | | | | | | | | | | |
| Production – 1,000 pounds | | | | | | | | | | | | | |
| 2005 | 198 | 289 | 376 | 473 | 697 | 657 | 682 | 607 | 562 | 557 | 523 | 379 | 6,000 |
| 2006 | 385 | 461 | 330 | 377 | 458 | 514 | 553 | 435 | 588 | 468 | 369 | 462 | 5,400 |
| 2007 | 430 | 345 | 358 | 435 | 431 | 499 | 423 | 436 | 447 | 490 | 384 | 322 | 5,000 |
| 2008 | 382 | 351 | 396 | 413 | 427 | 493 | 317 | 462 | 460 | 409 | 362 | 328 | 4,800 |
| 2009² | | | | | | | | | | | | | |
| Farm price – cents per pound | | | | | | | | | | | | | |
| 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 |
| 2006 | 50.7 | 52.0 | 59.2 | 59.9 | 45.2 | 37.4 | 42.0 | 48.6 | 50.4 | 50.1 | 56.8 | 56.3 | 50.0 |
| 2007 | 47.3 | 57.4 | 60.5 | 44.9 | 45.0 | 43.1 | 47.2 | 42.1 | 48.7 | 48.8 | 49.1 | 77.6 | 50.0 |
| 2008 | 60.4 | 57.1 | 59.9 | 52.4 | 49.6 | 52.8 | 58.1 | 52.4 | 54.9 | 61.6 | 65.5 | 64.6 | 57.0 |
| 2009² | | | | | | | | | | | | | |

¹ Sum of monthly data exceeds total because harvest period longer than 1 month.

² Data not shown separately to avoid disclosure of individual operations but combined and included in the State total on page 7.



EGGPLANT

EGGPLANT: Acreage, Yield, Production, Price, and Value, by County, 2005-2009

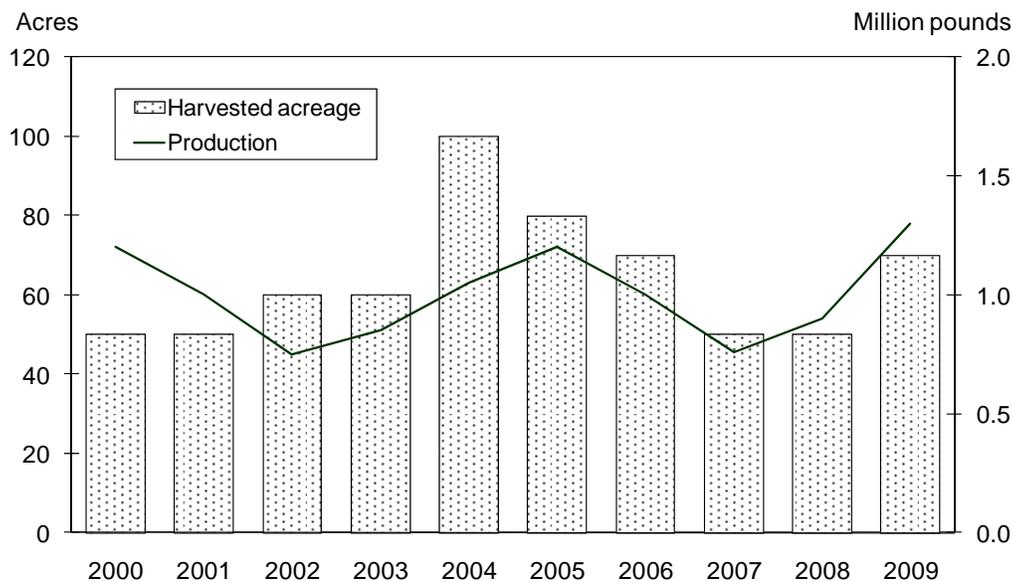
| Year | Harvested acres | Yield per acre | Production | Farm price | Value of sales |
|---------------------------------------|-----------------|--------------------------|--------------|-----------------|----------------|
| | | ----- 1,000 pounds ----- | | Cents per pound | 1,000 dollars |
| State ¹ | | | | | |
| 2005 | 80 | 14.6 | 1,200 | 81.0 | 972 |
| 2006 | 70 | 14.3 | 1,000 | 84.0 | 840 |
| 2007 | 50 | 15.2 | 760 | 92.0 | 699 |
| 2008 | 50 | 18.0 | 900 | 101.0 | 909 |
| 2009 | 70 | 18.6 | 1,300 | 95.0 | 1,235 |
| County: | | | | | |
| Hawaii/Kauai/Maui ² | | | | | |
| 2005 | 10 | 17.0 | 170 | 74.7 | 127 |
| 2006 | 10 | 16.0 | 160 | 94.4 | 151 |
| 2007 | 10 | 12.0 | 120 | 102.5 | 123 |
| 2008 ³ | | | | | |
| 2009 ³ | | | | | |
| Honolulu | | | | | |
| 2005 | 70 | 14.7 | 1,030 | 82.0 | 845 |
| 2006 | 60 | 14.0 | 840 | 82.0 | 689 |
| 2007 | 40 | 16.0 | 640 | 90.0 | 576 |
| 2008 ³ | | | | | |
| 2009 ³ | | | | | |

¹ Sum of county estimates may not add to State total due to rounding.

² Kauai and Maui combined with Hawaii to avoid disclosure of individual operations.

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

EGGPLANT: Acreage and Production, State of Hawaii, 2000-2009





LETTUCES (HEAD, SEMI-HEAD): Acreage, Yield, Production, Price, and Value, by County, 2005-2009

| Year | Harvested acres | Yield per acre ----- 1,000 pounds ----- | Production | Farm price Cents per pound | Value of sales 1,000 dollars |
|---|-----------------|--|------------|-------------------------------|---------------------------------|
| State ¹ | | | | | |
| 2005 | 110 | 10.0 | 1,100 | 68.0 | 748 |
| 2006 | 120 | 10.0 | 1,200 | 70.0 | 840 |
| 2007 | 100 | 10.0 | 1,000 | 71.0 | 710 |
| 2008 | 90 | 11.1 | 1,000 | 75.0 | 750 |
| 2009 | 90 | 10.6 | 950 | 79.0 | 748 |
| County: | | | | | |
| Hawaii | | | | | |
| 2005 | 65 | 10.8 | 700 | 60.2 | 421 |
| 2006 | 60 | 12.8 | 770 | 60.0 | 462 |
| 2007 | 45 | 14.0 | 630 | 59.9 | 377 |
| 2008 | 40 | 14.8 | 590 | 61.0 | 360 |
| 2009 ² | | | | | |
| Honolulu/Kauai/Maui ³ | | | | | |
| 2005 | 45 | 8.9 | 400 | 81.7 | 327 |
| 2006 | 60 | 7.2 | 430 | 87.8 | 378 |
| 2007 | 55 | 6.7 | 370 | 89.9 | 333 |
| 2008 | 50 | 8.2 | 410 | 95.1 | 390 |
| 2009 ² | | | | | |

¹ Sum of county estimates may not add to State total due to rounding.

² County estimates not published due to staff reduction-in-force but combined and included in the State total.

³ Kauai and Maui combined with Honolulu to avoid disclosure of individual operations.

LETTUCES (HEAD, SEMI-HEAD): Acreage, Production, and Price, State of Hawaii, 2005-2009

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total or average |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|
| Harvested acres | | | | | | | | | | | | | |
| 2005 | 8 | 9 | 8 | 11 | 10 | 9 | 8 | 8 | 9 | 9 | 9 | 12 | 110 |
| 2006 | 9 | 12 | 9 | 11 | 9 | 10 | 9 | 10 | 12 | 12 | 8 | 9 | 120 |
| 2007 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 100 |
| 2008 | 9 | 7 | 9 | 6 | 7 | 5 | 8 | 8 | 8 | 8 | 8 | 7 | 90 |
| 2009 ¹ | | | | | | | | | | | | | 90 |
| Production – 1,000 pounds | | | | | | | | | | | | | |
| 2005 | 73 | 74 | 110 | 113 | 103 | 90 | 92 | 83 | 83 | 92 | 98 | 89 | 1,100 |
| 2006 | 114 | 105 | 87 | 94 | 106 | 119 | 105 | 103 | 106 | 105 | 74 | 82 | 1,200 |
| 2007 | 78 | 82 | 99 | 100 | 98 | 96 | 91 | 77 | 68 | 84 | 76 | 51 | 1,000 |
| 2008 | 68 | 83 | 94 | 93 | 89 | 91 | 90 | 83 | 79 | 79 | 77 | 74 | 1,000 |
| 2009 ¹ | | | | | | | | | | | | | 950 |
| Farm price – cents per pound | | | | | | | | | | | | | |
| 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 |
| 2006 | 70.0 | 72.9 | 65.7 | 66.8 | 66.0 | 66.7 | 68.2 | 69.4 | 75.2 | 72.2 | 74.9 | 72.9 | 70.0 |
| 2007 | 73.4 | 75.2 | 70.8 | 70.8 | 69.3 | 70.9 | 69.2 | 69.3 | 71.4 | 69.9 | 69.9 | 73.7 | 71.0 |
| 2008 | 70.0 | 68.9 | 69.2 | 70.9 | 69.3 | 76.4 | 77.3 | 78.8 | 81.5 | 83.2 | 79.8 | 75.8 | 75.0 |
| 2009 ¹ | | | | | | | | | | | | | 79.0 |

¹ Estimates not published due to staff reduction-in-force but combined and included in the State total.



DRY ONIONS

DRY ONIONS: Acreage, Yield, Production, Price, and Value, by County, 2005-2009

| Year | Harvested acres | Yield per acre | Production | Farm price | Value of sales |
|--|-----------------|--------------------------|--------------|-----------------|----------------|
| | | ----- 1,000 pounds ----- | | Cents per pound | 1,000 dollars |
| State¹ | | | | | |
| 2005 | 220 | 10.5 | 2,300 | 132.0 | 3,036 |
| 2006 | 140 | 10.0 | 1,400 | 145.0 | 2,030 |
| 2007 | 160 | 8.8 | 1,400 | 120.0 | 1,680 |
| 2008 | 160 | 8.8 | 1,400 | 115.0 | 1,610 |
| 2009 | 150 | 10.0 | 1,500 | 116.0 | 1,740 |
| County: | | | | | |
| Hawaii/Honolulu/Kauai² | | | | | |
| 2005 | 95 | 7.9 | 750 | 80.9 | 607 |
| 2006 | 30 | 4.3 | 130 | 86.0 | 112 |
| 2007 | 60 | 3.3 | 200 | 78.0 | 156 |
| 2008 | 70 | 4.3 | 300 | 78.2 | 235 |
| 2009³ | | | | | |
| Maui | | | | | |
| 2005 | 125 | 12.4 | 1,550 | 156.7 | 2,429 |
| 2006 | 110 | 11.5 | 1,270 | 151.0 | 1,918 |
| 2007 | 100 | 12.0 | 1,200 | 127.0 | 1,524 |
| 2008 | 90 | 12.2 | 1,100 | 125.0 | 1,375 |
| 2009³ | | | | | |

¹ Sum of county estimates may not add to State total due to rounding.

² Honolulu and Kauai combined with Hawaii to avoid disclosure of individual operations.

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

DRY ONIONS: Acreage, Production, and Price, State of Hawaii, 2005-2009

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total or average |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|
| Harvested acres | | | | | | | | | | | | | |
| 2005 | 22 | 17 | 21 | 24 | 9 | 19 | 22 | 15 | 9 | 31 | 22 | 9 | 220 |
| 2006 | 6 | 4 | 11 | 8 | 28 | 23 | 8 | 21 | 8 | 6 | 9 | 8 | 140 |
| 2007 | 6 | 7 | 8 | 11 | 30 | 22 | 12 | 7 | 11 | 26 | 12 | 8 | 160 |
| 2008 | 2 | 6 | 16 | 56 | 15 | 21 | 8 | 5 | 4 | 7 | 12 | 8 | 160 |
| 2009¹ | | | | | | | | | | | | | 150 |
| Production – 1,000 pounds | | | | | | | | | | | | | |
| 2005 | 51 | 52 | 69 | 404 | 185 | 330 | 352 | 267 | 143 | 235 | 142 | 70 | 2,300 |
| 2006 | 40 | 61 | 69 | 94 | 213 | 253 | 148 | 240 | 84 | 64 | 75 | 59 | 1,400 |
| 2007 | 78 | 88 | 93 | 148 | 233 | 158 | 178 | 113 | 53 | 113 | 113 | 32 | 1,400 |
| 2008 | 27 | 32 | 112 | 227 | 237 | 244 | 74 | 78 | 42 | 62 | 158 | 107 | 1,400 |
| 2009¹ | | | | | | | | | | | | | 1,500 |
| Farm price – cents per pound | | | | | | | | | | | | | |
| 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 |
| 2006 | 183.1 | 174.0 | 175.9 | 188.9 | 179.9 | 146.5 | 125.9 | 113.2 | 105.4 | 112.9 | 131.7 | 135.4 | 145.0 |
| 2007 | 140.3 | 154.9 | 156.3 | 149.6 | 118.6 | 107.2 | 96.1 | 89.0 | 84.0 | 93.0 | 128.3 | 174.2 | 120.0 |
| 2008 | 127.5 | 151.5 | 117.3 | 111.8 | 130.8 | 109.0 | 63.5 | 85.6 | 111.9 | 114.1 | 121.6 | 132.8 | 115.0 |
| 2009¹ | | | | | | | | | | | | | 116.0 |

¹ Estimates not published due to staff reduction-in-force but combined and included in the State total.



GREEN ONIONS: Acreage, Yield, Production, Price, and Value, by County, 2005-2009

| Year | Harvested acres | Yield per acre ----- 1,000 pounds ----- | Production | Farm price Cents per pound | Value of sales 1,000 dollars |
|---------------------------------------|-----------------|--|--------------|-------------------------------|---------------------------------|
| State ¹ | | | | | |
| 2005 | 155 | 11.0 | 1,700 | 99.0 | 1,683 |
| 2006 | 130 | 11.5 | 1,500 | 100.0 | 1,500 |
| 2007 | 135 | 10.4 | 1,400 | 114.0 | 1,596 |
| 2008 | 125 | 12.8 | 1,600 | 124.0 | 1,984 |
| 2009 | 120 | 11.7 | 1,400 | 129.0 | 1,810 |
| County: | | | | | |
| Hawaii/Kauai/Maui ² | | | | | |
| 2005 | 15 | 13.3 | 200 | 114.0 | 228 |
| 2006 | 15 | 18.0 | 270 | 113.8 | 307 |
| 2007 | 15 | 13.3 | 200 | 137.8 | 276 |
| 2008 | 20 | 15.0 | 300 | 145.5 | 437 |
| 2009 ³ | | | | | |
| Honolulu | | | | | |
| 2005 | 140 | 10.7 | 1,500 | 97.0 | 1,455 |
| 2006 | 115 | 10.7 | 1,230 | 97.0 | 1,193 |
| 2007 | 120 | 10.0 | 1,200 | 110.0 | 1,320 |
| 2008 | 105 | 12.4 | 1,300 | 119.0 | 1,547 |
| 2009 ³ | | | | | |

¹ Sum of county estimates may not add to State total due to rounding.

² Kauai and Maui combined with Hawaii to avoid disclosure of individual operations.

³ County estimates not published due to staff reduction-in-force but combined and included in the State total.

GREEN ONIONS: Acreage, Production, and Price, State of Hawaii, 2005-2009

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total or average |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|
| Harvested acres | | | | | | | | | | | | | |
| 2005 | 15 | 14 | 13 | 15 | 14 | 14 | 9 | 10 | 11 | 11 | 12 | 17 | 155 |
| 2006 | 12 | 10 | 11 | 9 | 9 | 9 | 12 | 12 | 11 | 11 | 11 | 13 | 130 |
| 2007 | 10 | 13 | 12 | 13 | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 11 | 135 |
| 2008 | 11 | 9 | 10 | 10 | 10 | 11 | 11 | 10 | 10 | 11 | 11 | 11 | 125 |
| 2009 ¹ | | | | | | | | | | | | | 120 |
| Production – 1,000 pounds | | | | | | | | | | | | | |
| 2005 | 104 | 88 | 131 | 132 | 157 | 145 | 147 | 141 | 148 | 148 | 161 | 198 | 1,700 |
| 2006 | 123 | 129 | 114 | 58 | 135 | 143 | 125 | 135 | 117 | 128 | 167 | 126 | 1,500 |
| 2007 | 109 | 136 | 122 | 122 | 124 | 106 | 105 | 117 | 117 | 119 | 124 | 99 | 1,400 |
| 2008 | 128 | 131 | 143 | 124 | 150 | 129 | 140 | 132 | 142 | 141 | 126 | 114 | 1,600 |
| 2009 ¹ | | | | | | | | | | | | | 1,400 |
| Farm price – cents per pound | | | | | | | | | | | | | |
| 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 |
| 2006 | 98.8 | 101.4 | 108.4 | 132.8 | 104.9 | 91.7 | 92.0 | 91.0 | 90.3 | 92.3 | 107.2 | 106.5 | 100.0 |
| 2007 | 137.5 | 112.4 | 107.6 | 104.4 | 96.2 | 112.0 | 104.9 | 113.1 | 119.1 | 113.8 | 113.2 | 140.5 | 114.0 |
| 2008 | 138.8 | 134.6 | 119.9 | 114.9 | 113.8 | 113.8 | 118.8 | 128.5 | 129.1 | 126.2 | 122.1 | 129.1 | 124.0 |
| 2009 ¹ | | | | | | | | | | | | | 129.0 |

¹ Estimates not published due to staff reduction-in-force but combined and included in the State total.



GREEN PEPPERS

GREEN PEPPERS: Acreage, Yield, Production, Price, and Value, State of Hawaii, 2005-2009

| Year | Harvested acres | Yield per acre ----- 1,000 pounds ----- | Production | Farm price Cents per pound | Value of sales 1,000 dollars |
|-------------------|-----------------|--|------------|-------------------------------|---------------------------------|
| 2005 | 230 | 13.0 | 3,000 | 64.0 | 1,920 |
| 2006 | 260 | 10.8 | 2,800 | 71.0 | 1,988 |
| 2007 | 160 | 11.3 | 1,800 | 69.0 | 1,242 |
| 2008 ¹ | | | | | |
| 2009 ¹ | | | | | |

¹ Data not shown separately to avoid disclosure of individual operations but combined and included in the State total on page 7.

GREEN PEPPERS: Acreage, Production, and Price, State of Hawaii, 2005-2009

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total or average |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|
| Harvested acres ¹ | | | | | | | | | | | | | |
| 2005 | 22 | 20 | 23 | 23 | 22 | 20 | 23 | 22 | 22 | 21 | 21 | 19 | 230 |
| 2006 | 22 | 22 | 25 | 23 | 21 | 21 | 21 | 23 | 23 | 25 | 22 | 22 | 260 |
| 2007 | 21 | 21 | 21 | 21 | 22 | 14 | 1 | 2 | 5 | 2 | 11 | 19 | 160 |
| 2008 ² | | | | | | | | | | | | | |
| 2009 ² | | | | | | | | | | | | | |
| Production – 1,000 pounds | | | | | | | | | | | | | |
| 2005 | 218 | 230 | 274 | 314 | 310 | 168 | 240 | 241 | 226 | 236 | 253 | 290 | 3,000 |
| 2006 | 237 | 270 | 255 | 310 | 225 | 226 | 244 | 203 | 223 | 196 | 182 | 229 | 2,800 |
| 2007 | 200 | 248 | 239 | 252 | 257 | 188 | 5 | 30 | 39 | 15 | 124 | 203 | 1,800 |
| 2008 ² | | | | | | | | | | | | | |
| 2009 ² | | | | | | | | | | | | | |
| Farm price – cents per pound | | | | | | | | | | | | | |
| 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 |
| 2006 | 82.3 | 75.1 | 76.1 | 72.3 | 73.8 | 68.9 | 68.3 | 68.2 | 65.1 | 67.1 | 66.5 | 64.3 | 71.0 |
| 2007 | 67.4 | 78.5 | 74.6 | 62.0 | 63.0 | 60.6 | 73.0 | 80.0 | 80.0 | 80.0 | 60.9 | 76.9 | 69.0 |
| 2008 ² | | | | | | | | | | | | | |
| 2009 ² | | | | | | | | | | | | | |

¹ Sum of monthly data exceeds total because harvest period longer than 1 month.

² Data not shown separately to avoid disclosure of individual operations but combined and included in the State total on page 7.



SWEET POTATOES: Acreage, Yield, Production, Price, and Value, by County, 2005-2009

| Year | Harvested acres | Yield per acre ----- 1,000 pounds ----- | Production | Farm price Cents per pound | Value of sales 1,000 dollars |
|---|-----------------|--|--------------|-------------------------------|---------------------------------|
| State ¹ | | | | | |
| 2005 | 410 | 15.4 | 6,300 | 61.0 | 3,843 |
| 2006 | 360 | 16.7 | 6,000 | 74.0 | 4,440 |
| 2007 | 420 | 16.9 | 7,100 | 51.0 | 3,621 |
| 2008 | 470 | 17.2 | 8,100 | 59.0 | 4,780 |
| 2009 | 600 | 13.8 | 8,300 | 65.0 | 5,413 |
| County: | | | | | |
| Hawaii/Honolulu/Kauai ² | | | | | |
| 2005 | 340 | 16.8 | 5,720 | 60.6 | 3,466 |
| 2006 ³ | | | | | |
| 2007 ³ | | | | | |
| 2008 ³ | | | | | |
| 2009 ³ | | | | | |
| Maui | | | | | |
| 2005 | 70 | 8.3 | 580 | 65.0 | 377 |
| 2006 ³ | | | | | |
| 2007 ³ | | | | | |
| 2008 ³ | | | | | |
| 2009 ³ | | | | | |

¹ Sum of county estimates may not add to State total due to rounding.

² Honolulu and Kauai combined with Hawaii to avoid disclosure of individual operations.

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



ROMAINE: Acreage, Yield, Production, Price, and Value, by County, 2005-2009

| Year | Harvested acres | Yield per acre ----- 1,000 pounds ----- | Production | Farm price Cents per pound | Value of sales 1,000 dollars |
|-------------------------------------|-----------------|--|------------|-------------------------------|---------------------------------|
| State ¹ | | | | | |
| 2005 | 140 | 12.1 | 1,700 | 59.0 | 1,003 |
| 2006 | 110 | 11.8 | 1,300 | 63.0 | 819 |
| 2007 | 100 | 12.0 | 1,200 | 67.0 | 804 |
| 2008 | 90 | 11.1 | 1,000 | 59.0 | 590 |
| 2009 | 100 | 8.0 | 800 | 58.0 | 463 |
| County: | | | | | |
| Hawaii/Honolulu ² | | | | | |
| 2005 | 105 | 10.5 | 1,100 | 61.7 | 679 |
| 2006 | 90 | 11.4 | 1,030 | 63.3 | 652 |
| 2007 | 80 | 11.8 | 940 | 69.8 | 656 |
| 2008 | 70 | 11.4 | 800 | 61.0 | 488 |
| 2009 ³ | | | | | |
| Maui | | | | | |
| 2005 | 35 | 17.1 | 600 | 54.0 | 324 |
| 2006 | 20 | 13.5 | 270 | 62.0 | 167 |
| 2007 | 20 | 13.0 | 260 | 57.0 | 148 |
| 2008 | 20 | 10.0 | 200 | 51.0 | 102 |
| 2009 ³ | | | | | |

¹ Sum of county estimates may not add to State total due to rounding.

² Honolulu combined with Hawaii to avoid disclosure of individual operations.

³ County estimates not published due to staff reduction-in-force but combined and included in the State total.

ROMAINE: Acreage, Production, and Price, State of Hawaii, 2005-2009

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total or average |
|-------------------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------------------|
| Harvested acres | | | | | | | | | | | | | |
| 2005 | 12 | 16 | 13 | 15 | 15 | 11 | 10 | 7 | 7 | 8 | 11 | 15 | 140 |
| 2006 | 11 | 17 | 12 | 9 | 7 | 8 | 9 | 8 | 9 | 8 | 7 | 5 | 110 |
| 2007 | 6 | 8 | 9 | 9 | 9 | 9 | 10 | 7 | 8 | 8 | 9 | 8 | 100 |
| 2008 | 8 | 8 | 7 | 9 | 9 | 5 | 6 | 6 | 8 | 7 | 9 | 8 | 90 |
| 2009 ¹ | | | | | | | | | | | | | 100 |
| Production – 1,000 pounds | | | | | | | | | | | | | |
| 2005 | 143 | 131 | 155 | 175 | 176 | 130 | 134 | 124 | 109 | 130 | 142 | 151 | 1,700 |
| 2006 | 149 | 144 | 103 | 96 | 123 | 106 | 111 | 113 | 97 | 100 | 84 | 74 | 1,300 |
| 2007 | 83 | 79 | 109 | 105 | 102 | 103 | 115 | 118 | 100 | 107 | 100 | 79 | 1,200 |
| 2008 | 66 | 80 | 103 | 94 | 88 | 86 | 83 | 87 | 83 | 86 | 74 | 70 | 1,000 |
| 2009 ¹ | | | | | | | | | | | | | 800 |
| Farm price – cents per pound | | | | | | | | | | | | | |
| 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 |
| 2006 | 64.2 | 61.8 | 63.9 | 62.2 | 61.3 | 61.9 | 61.8 | 61.8 | 66.7 | 64.2 | 61.7 | 66.6 | 63.0 |
| 2007 | 101.5 | 67.2 | 73.1 | 65.2 | 57.8 | 61.9 | 61.9 | 61.9 | 70.4 | 62.2 | 64.0 | 63.8 | 67.0 |
| 2008 | 69.2 | 64.8 | 61.8 | 61.7 | 59.9 | 45.2 | 45.3 | 52.6 | 59.4 | 62.0 | 64.9 | 65.1 | 59.0 |
| 2009 ¹ | | | | | | | | | | | | | 58.0 |

¹ Estimates not published due to staff reduction-in-force but combined and included in the State total.



ITALIAN SQUASH: Acreage, Yield, Production, Price, and Value, by County, 2005-2009

| Year | Harvested acres | Yield per acre ----- 1,000 pounds ----- | Production | Farm price Cents per pound | Value of sales 1,000 dollars |
|---|-----------------|--|--------------|-------------------------------|---------------------------------|
| State ¹ | | | | | |
| 2005 | 200 | 7.5 | 1,500 | 56.0 | 840 |
| 2006 | 175 | 6.3 | 1,100 | 64.0 | 704 |
| 2007 | 180 | 6.7 | 1,200 | 67.0 | 804 |
| 2008 | 170 | 8.7 | 1,480 | 60.0 | 888 |
| 2009 | 170 | 6.9 | 1,170 | 62.0 | 731 |
| County: | | | | | |
| Hawaii/Honolulu/Kauai ² | | | | | |
| 2005 | 110 | 7.7 | 850 | 56.0 | 476 |
| 2006 | 110 | 5.8 | 635 | 66.9 | 425 |
| 2007 | 110 | 7.1 | 780 | 70.7 | 551 |
| 2008 | 120 | 9.4 | 1,130 | 60.0 | 678 |
| 2009 ³ | | | | | |
| Maui | | | | | |
| 2005 | 90 | 7.2 | 650 | 56.0 | 364 |
| 2006 | 65 | 7.2 | 465 | 60.0 | 279 |
| 2007 | 70 | 6.0 | 420 | 60.0 | 252 |
| 2008 | 50 | 7.0 | 350 | 60.0 | 210 |
| 2009 ³ | | | | | |

¹ Sum of county estimates may not add to State total due to rounding.

² Honolulu and Kauai combined with Hawaii to avoid disclosure of individual operations.

³ 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, 2005-2009

| Year | Farms | Acreage in crop ¹ | | | Marketings | | | Farm price | | | Value of sales <i>1,000 dollars</i> |
|-----------------------------------|------------|------------------------------|--------------------------|------------|------------|--------------|---------------------------------|------------------------------------|--------------|-------------|--|
| | | 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> | | | |
| State | | | | | | | | | | | |
| 2005 | 110 | 350 | 10 | 360 | 100 | 4,200 | 4,300 | 54.0 | 54.0 | 54.0 | 2,322 |
| 2006 | 105 | 360 | 20 | 380 | 100 | 4,400 | 4,500 | 56.8 | 65.5 | 57.0 | 2,565 |
| 2007 | 105 | 355 | 25 | 380 | 100 | 3,900 | 4,000 | 59.2 | 50.5 | 59.0 | 2,360 |
| 2008 | 105 | 370 | 20 | 390 | 100 | 4,200 | 4,300 | 62.0 | 61.5 | 62.0 | 2,666 |
| 2009 | 110 | 415 | 30 | 445 | 100 | 3,900 | 4,000 | 60.9 | 64.5 | 61.0 | 2,440 |
| County: | | | | | | | | | | | |
| Hawaii | | | | | | | | | | | |
| 2005 | 30 | 40 | 10 | 50 | 60 | 240 | 300 | 57.6 | 50.0 | 56.1 | 168 |
| 2006 | 25 | 55 | 10 | 65 | 70 | 220 | 290 | 61.0 | 65.5 | 62.1 | 180 |
| 2007 | 25 | 50 | 10 | 60 | 70 | 220 | 290 | 62.0 | 52.4 | 59.7 | 173 |
| 2008 | 25 | 45 | 5 | 50 | 30 | 160 | 190 | 67.0 | 65.0 | 66.7 | 127 |
| 2009 | 2 | | | | | | | | | | |
| Honolulu/Maui ³ | | | | | | | | | | | |
| 2005 | 30 | 75 | * | 75 | 40 | 860 | 900 | 56.6 | 60.0 | 56.8 | 511 |
| 2006 | 35 | 80 | 10 | 90 | 30 | 880 | 910 | 62.5 | 65.5 | 62.6 | 570 |
| 2007 | 35 | 55 | 15 | 70 | 30 | 880 | 910 | 63.4 | 46.0 | 61.9 | 563 |
| 2008 | 35 | 75 | 10 | 85 | 50 | 640 | 690 | 71.3 | 62.0 | 70.6 | 487 |
| 2009 | 2 | | | | | | | | | | |
| Kauai | | | | | | | | | | | |
| 2005 | 50 | 235 | * | 235 | * | 3,100 | 3,100 | 53.0 | ⁴ | 53.0 | 1,643 |
| 2006 | 45 | 225 | * | 225 | * | 3,300 | 3,300 | 55.0 | ⁴ | 55.0 | 1,815 |
| 2007 | 45 | 250 | * | 250 | * | 2,800 | 2,800 | 58.0 | ⁴ | 58.0 | 1,624 |
| 2008 | 45 | 250 | 5 | 255 | 20 | 3,400 | 3,420 | 60.0 | ⁴ | 60.0 | 2,052 |
| 2009 | 2 | | | | | | | | | | |

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

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

² County estimates not published due to staff reduction-in-force but combined and included in the State total.

³ Maui combined with Honolulu to avoid disclosure of individual operations.

⁴ 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, 2005-2009

| Year | Harvested acres | Yield per acre | Production | Farm price | Value of sales |
|-------------------------|-----------------|--------------------------|------------|-----------------|----------------|
| | | ----- 1,000 pounds ----- | | Cents per pound | 1,000 dollars |
| 2005 | 660 | 21.5 | 14,200 | 69.0 | 9,798 |
| 2006 | 700 | 21.0 | 14,700 | 77.0 | 11,319 |
| 2007 | 740 | 19.3 | 14,300 | 69.0 | 9,867 |
| 2008 ¹ | | | | | |
| 2009¹ | | | | | |

¹ Data not shown separately to avoid disclosure of individual operations but combined and included in the State total on page 7.

TOMATOES: Acreage, Production, and Price, State of Hawaii, 2005-2009

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total or average |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|
| Harvested acres¹ | | | | | | | | | | | | | |
| 2005 | 46 | 61 | 55 | 55 | 55 | 55 | 53 | 53 | 68 | 66 | 68 | 64 | 660 |
| 2006 | 68 | 71 | 70 | 69 | 62 | 57 | 58 | 58 | 58 | 66 | 67 | 66 | 700 |
| 2007 | 69 | 71 | 71 | 65 | 60 | 62 | 58 | 58 | 56 | 57 | 57 | 56 | 740 |
| 2008 ² | | | | | | | | | | | | | |
| 2009² | | | | | | | | | | | | | |
| Production – 1,000 pounds | | | | | | | | | | | | | |
| 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 |
| 2006 | 1,286 | 1,181 | 986 | 1,158 | 956 | 911 | 1,641 | 1,444 | 1,570 | 1,254 | 1,316 | 997 | 14,700 |
| 2007 | 967 | 946 | 1,069 | 1,384 | 1,356 | 1,452 | 1,264 | 1,295 | 1,246 | 1,137 | 1,109 | 1,075 | 14,300 |
| 2008 ² | | | | | | | | | | | | | |
| 2009² | | | | | | | | | | | | | |
| Farm price – cents per pound | | | | | | | | | | | | | |
| 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 |
| 2006 | 77.9 | 77.1 | 74.1 | 74.8 | 77.6 | 80.4 | 62.7 | 63.3 | 80.8 | 98.7 | 90.6 | 69.6 | 77.0 |
| 2007 | 77.4 | 81.0 | 70.8 | 64.4 | 67.4 | 66.2 | 57.3 | 63.2 | 65.5 | 68.3 | 72.1 | 82.9 | 69.0 |
| 2008 ² | | | | | | | | | | | | | |
| 2009² | | | | | | | | | | | | | |

¹ Sum of monthly data exceeds total because harvest period longer than 1 month.

² Data not shown separately to avoid disclosure of individual operations but combined and included in the State total on page 7.

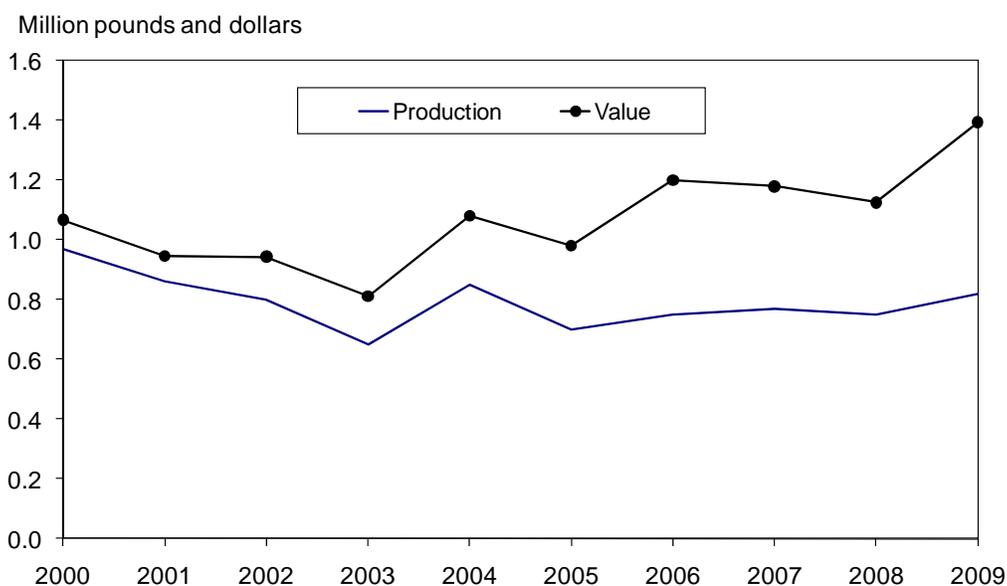


WATERCRESS, WATERMELONS

WATERCRESS: Acreage, Production, Price, and Value, State of Hawaii, 2005-2009

| Year | Acreage in crop | Production | Farm price | Value of sales |
|-------------|-----------------|---------------------|------------------------|----------------------|
| | <i>Acres</i> | <i>1,000 pounds</i> | <i>Cents per pound</i> | <i>1,000 dollars</i> |
| 2005 | 35 | 700 | 140.0 | 981 |
| 2006 | 35 | 750 | 160.0 | 1,201 |
| 2007 | 35 | 770 | 153.0 | 1,179 |
| 2008 | 35 | 750 | 150.0 | 1,125 |
| 2009 | 35 | 820 | 170.0 | 1,394 |

WATERCRESS: Production and Farm Value, State of Hawaii, 2000-2009



WATERMELONS: Acreage, Yield, Production, Price, and Value, State of Hawaii, 2005-2009

| Year | Harvested acres | Yield per acre | Production | Farm price | Value of sales |
|-------------------------|-----------------|---------------------|------------|------------------------|----------------------|
| | | <i>1,000 pounds</i> | | <i>Cents per pound</i> | <i>1,000 dollars</i> |
| State | | | | | |
| 2005 | 450 | 25.1 | 11,300 | 27.0 | 3,051 |
| 2006 | 590 | 17.6 | 10,400 | 28.0 | 2,912 |
| 2007 | 540 | 24.3 | 13,100 | 30.0 | 3,930 |
| 2008 ¹ | | | | | |
| 2009¹ | | | | | |

¹ Data not shown separately to avoid disclosure of individual operations but combined and included in the State total on page 7.



**OTHER VEGETABLES: Acreage, Yield, Production, Price, and Value,
State of Hawaii, 2005-2009**

| Crop and year | Harvested acres | Yield per acre | Production | Farm price | Value of sales |
|--|-----------------|----------------|--------------|-------------|----------------|
| | | | | | |
| Bittermelon | | | | | |
| 2005 | 30 | 8.3 | 250 | 93.0 | 233 |
| 2006 | 25 | 7.2 | 180 | 80.0 | 144 |
| 2007 | 20 | 7.5 | 150 | 82.0 | 123 |
| 2008 | 20 | 7.0 | 140 | 90.0 | 126 |
| 2009 | 20 | 18.0 | 360 | 99.0 | 358 |
| Broccoli | | | | | |
| 2005 | 125 | 4.8 | 600 | 73.0 | 438 |
| 2006 | 60 | 5.5 | 330 | 84.0 | 277 |
| 2007 | 80 | 4.9 | 390 | 93.0 | 363 |
| 2008 | 80 | 4.5 | 360 | 97.0 | 349 |
| 2009 | 115 | 2.6 | 300 | 80.0 | 240 |
| Cabbage, mustard | | | | | |
| 2005 | 110 | 12.7 | 1,400 | 56.0 | 784 |
| 2006 | 115 | 12.2 | 1,400 | 58.0 | 812 |
| 2007 | 105 | 13.3 | 1,400 | 63.0 | 882 |
| 2008 | 95 | 13.7 | 1,300 | 70.0 | 910 |
| 2009 | 95 | 13.7 | 1,300 | 73.0 | 952 |
| Pumpkins | | | | | |
| 2005 | 35 | 2.3 | 80 | 63.0 | 50 |
| 2006 | 25 | 11.6 | 290 | 60.0 | 174 |
| 2007 | 40 | 11.8 | 470 | 52.0 | 244 |
| 2008 | 30 | 3.0 | 90 | 66.0 | 59 |
| 2009¹ | | | | | |
| Squash, Oriental (Hyotan and Togan) | | | | | |
| 2005 | 40 | 11.3 | 450 | 55.0 | 247 |
| 2006 | 40 | 10.0 | 400 | 46.0 | 184 |
| 2007 | 40 | 12.5 | 500 | 44.0 | 220 |
| 2008 | 40 | 8.8 | 350 | 62.0 | 217 |
| 2009 | 40 | 8.5 | 340 | 54.0 | 185 |

¹ Data not shown separately to avoid disclosure of individual operations but combined and included in the State total on page 7.



2009 CATTLE, MILK, AND HOG HIGHLIGHTS

◆ Cattle and calves

State's January 1 inventory up 1 percent

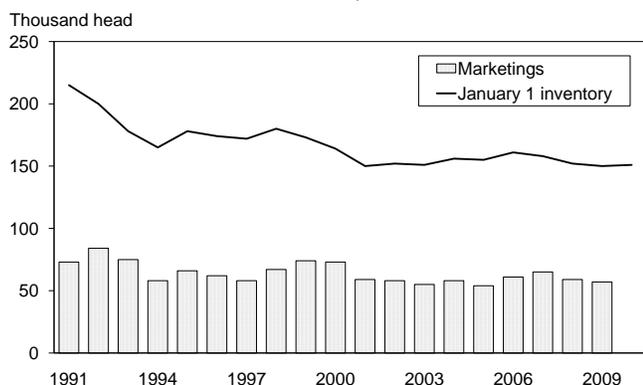
The inventory of cattle and calves on Hawaii ranches totaled 151,000 head on January 1, 2010. This represented a 1 percent increase from 2009.

County value estimates are not published for 2009 due to staff reduction-in-force but included in the State totals. Pie charts on pages 67 and 68 are from the most recent county data available.

Local cattle slaughtered down 3 percent

The number of cattle slaughtered during 2009 totaled 11,100 head. This is a decrease of 3 percent from the previous year. The total slaughtered dressed weight is estimated at 7.0 million pounds, a decrease of 3 percent from 2008. This decrease in total local slaughter weight is a combination of less head being slaughtered which outweighed the 1 percent increase in average weight.

CATTLE: Inventory and Marketings, State of Hawaii, 1991-2010



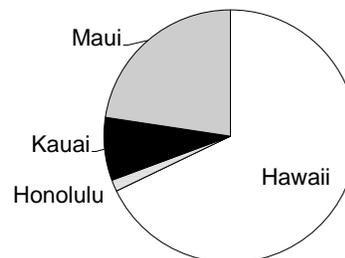
Cattle marketings increase

Marketings during 2009 totaled 40.7 million pounds (live weight), up 13 percent from 2008. This was due to an increase in the average live weight of both cattle and calves that offset the decrease of 2,000 head sold. Sale of calves (animals weighing less than 500 pounds) accounted for 67 percent of total marketings in 2009. The 38,000 calves sold in 2009 represented a 7 percent decrease from 2008.

Value of sales up 19 percent

The value of all cattle and calves marketed in 2009 totaled \$28.9 million, up 19 percent from 2008. The annual average price received by ranchers for all cattle and calves marketed in 2009 was \$71.10 per hundredweight (live weight), up 5 percent from 2008.

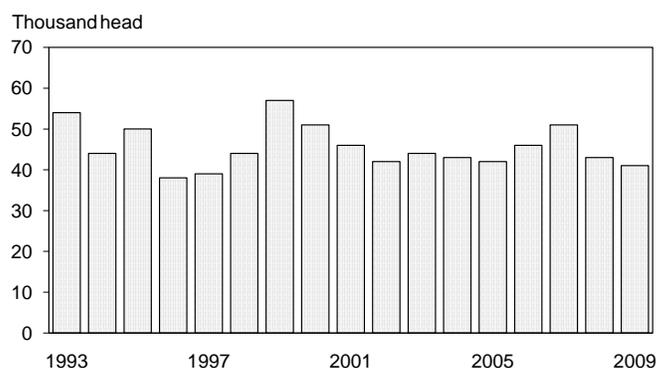
CATTLE AND CALVES: Value of Sales, by County, State of Hawaii, 2008



Exports of cattle and calves down 5 percent

Hawaii ranchers exported 41,000 head of cattle and calves in 2009, down 5 percent from 2008. Calves (animals weighing less than 500 pounds) accounted for the bulk of the exports at 38,000 head in 2009 compared to 3,000 head of cattle (animals weighing 500 pounds or more) that were exported.

CATTLE AND CALVES: Exports, State of Hawaii, 1993-2009

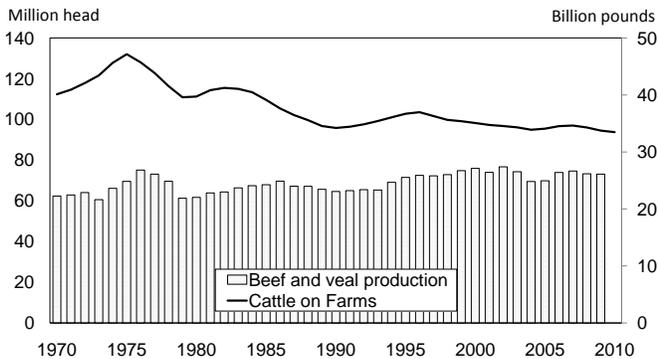




U.S. cattle inventory down 1 percent

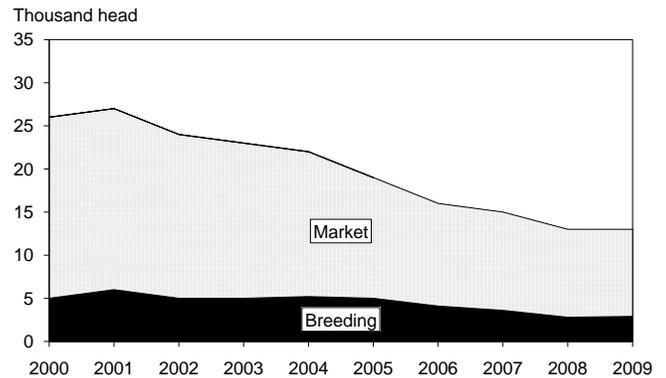
All cattle and calves in the United States as of January 1, 2010, totaled 93.7 million head, down from the 94.5 million on January 1, 2009. The 2009 U.S. calf crop was estimated at 35.8 million head, down 1 percent from 2008. Calves born during the first half of the year were estimated at 26.0 million, down 1 percent from 2008.

CATTLE: Beef and Veal Production and Cattle on Farms, United States, 1970-2010



10,100 head of market hogs and pigs made up 78 percent of the State's total hog and pig inventory. Pigs under 60 pounds made up the majority of the December 1 inventory on hand, totaling 3,900 head, or 39 percent of the market group. Pigs weighing 60-119 pounds are estimated at 3,200 head. Hogs weighing 120-179 pounds totaled 1,700 head. The remaining 1,300 hogs were in the 180 pound and over category.

HOGS AND PIGS: Inventory by Classes, State of Hawaii, 2000-2009



◆ Milk

Production up 15 percent

Hawaii's dairy cows produced 21.3 million pounds of milk in 2009, up 15 percent from 2008. This marks the first time since 1998 that production has increased compared to the previous year. Two commercial dairies remained in the State; both located on Hawaii County.

The milk cow herd declined 12 percent to an annual average of 1,500 head. Cows produced an average of 14,200 pounds of milk in 2009, 30 percent more per cow than in 2008.

In 2009, milk producers received an average return of \$35.50 per hundredweight for milk sold, up 16 percent from 2008. Revenues at the farm gate level rose 37 percent to a total of \$7.5 million in 2009.

◆ Hogs and Pigs

Statewide inventory unchanged

The inventory of hogs and pigs on Hawaii's farms totaled 13,000 head on December 1, 2009. This represents no change from the hog and pig inventory on December 1, 2008. The

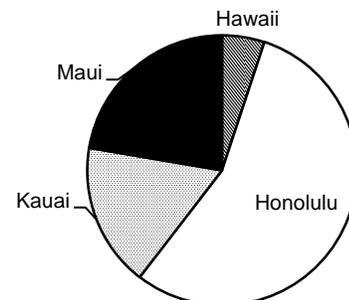
Hog marketings decreased

Hog marketings totaled 3.1 million pounds (live weight) in 2009, down 10 percent from 2008. This decrease comes due to a 16 percent decline in the number of hogs sold outweighing an increase in average weight.

Value of hog sales drop 11 percent

Total value of hog sales declined 11 percent to \$3.0 million in 2009. The average farm price fell to \$96.80 per hundredweight (live weight), fractionally lower than the 2008 average of \$97.20.

HOGS: Value of Sales, by County, State of Hawaii, 2008





CATTLE

CATTLE AND CALVES: January 1 Inventory by Sex Classes and Weight, by County, 2006-2010

| 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 | | | |

1,000 head

State ¹

| | | | | | | | | | | | |
|-------------|------------|-----------|-------------|------------|-----------|-----------|----------|----------|----------|----------|-----------|
| 2006 | 161 | 92 | 87.4 | 4.6 | 22 | 15 | 2 | 5 | 7 | 5 | 35 |
| 2007 | 158 | 89 | 85.2 | 3.8 | 21 | 15 | 1 | 5 | 8 | 5 | 35 |
| 2008 | 152 | 85 | 82.7 | 2.3 | 20 | 14 | 1 | 5 | 8 | 5 | 34 |
| 2009 | 150 | 86 | 84.4 | 1.6 | 19 | 13 | 1 | 5 | 8 | 5 | 32 |
| 2010 | 151 | 83 | 81.2 | 1.8 | 19 | 12 | 1 | 6 | 8 | 5 | 36 |

County:

Hawaii

| | | | | | | | | | | | |
|------|-------|------|------|-----|------|------|-----|-----|-----|-----|------|
| 2006 | 119.3 | 69.5 | 67.1 | 2.4 | 15.6 | 11.9 | 1.1 | 2.6 | 3.7 | 3.9 | 26.6 |
| 2007 | 117.2 | 67.6 | 65.4 | 2.2 | 15.5 | 11.9 | .9 | 2.7 | 3.9 | 3.8 | 26.4 |
| 2008 | 109.1 | 63.7 | 61.9 | 1.8 | 12.8 | 10.1 | .5 | 2.2 | 3.6 | 3.2 | 25.8 |
| 2009 | 109.1 | 66.1 | 64.5 | 1.6 | 12.2 | 8.9 | 1.0 | 2.3 | 3.7 | 3.4 | 23.7 |

2010 ²

Honolulu

| | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|----|----|----|----|----|-----|
| 2006 | 8.2 | 5.0 | 2.8 | 2.2 | 1.2 | .5 | .6 | .1 | .4 | .2 | 1.4 |
| 2007 | 7.1 | 4.1 | 2.5 | 1.6 | .9 | .5 | .3 | .1 | .3 | .1 | 1.7 |
| 2008 | 5.6 | 2.7 | 2.3 | .4 | 1.0 | .8 | 0 | .2 | .5 | .1 | 1.3 |
| 2009 | 4.4 | 2.2 | 2.2 | * | .7 | .5 | 0 | .2 | .4 | .1 | 1.0 |

2010 ²

Kauai

| | | | | | | | | | | | |
|------|------|-----|-----|---|-----|-----|---|----|-----|----|-----|
| 2006 | 11.9 | 6.0 | 6.0 | * | 1.7 | .9 | 0 | .8 | 1.1 | .3 | 2.8 |
| 2007 | 12.0 | 5.8 | 5.8 | * | 1.7 | .9 | 0 | .8 | 1.0 | .4 | 3.1 |
| 2008 | 12.5 | 5.9 | 5.9 | * | 2.2 | 1.4 | 0 | .8 | 1.0 | .4 | 3.0 |
| 2009 | 13.3 | 6.3 | 6.3 | * | 2.3 | 1.4 | 0 | .9 | 1.0 | .5 | 3.2 |

2010 ²

Maui

| | | | | | | | | | | | |
|------|------|------|------|----|-----|-----|---|-----|-----|-----|-----|
| 2006 | 21.6 | 11.5 | 11.5 | * | 3.3 | 2.1 | 0 | 1.2 | 2.0 | .6 | 4.2 |
| 2007 | 21.7 | 11.5 | 11.5 | * | 2.9 | 1.9 | 0 | 1.0 | 2.6 | .8 | 3.9 |
| 2008 | 24.8 | 12.7 | 12.6 | .1 | 3.9 | 2.0 | 0 | 1.9 | 2.9 | 1.0 | 4.3 |
| 2009 | 23.2 | 11.4 | 11.4 | * | 3.8 | 2.2 | 0 | 1.6 | 2.9 | 1.0 | 4.1 |

2010 ²

* = Less than 50.

¹ Sum of county estimates may not add to State total due to rounding.

² County estimates not published due to staff reduction-in-force but combined and included in the State total.

**CATTLE AND CALVES: Number of Operations, Number and Pounds Sold, Price, and Value,
by County, 2005-2009**

| Year | Operations | Number sold ^{1 2} | Pounds sold (live weight) ³ | Farm price (live weight) ⁴ | Value of sales ² |
|--------------------------|---------------|----------------------------|---|--|--------------------------------|
| | <i>Number</i> | <i>1,000 head</i> | <i>1,000 pounds</i> | <i>Dollars per hundredweight</i> | <i>1,000 dollars</i> |
| State | | | | | |
| 2005 | 800 | 54 | 29,930 | 75.30 | 22,548 |
| 2006 | 800 | 61 | 34,510 | 76.70 | 26,452 |
| 2007 | 1,100 | 65 | 36,160 | 72.40 | 26,196 |
| 2008 | 1,000 | 59 | 35,920 | 67.70 | 24,305 |
| 2009 | 1,000 | 57 | 40,700 | 71.10 | 28,945 |
| County: | | | | | |
| Hawaii | | | | | |
| 2005 | 470 | 41.1 | 21,018 | 79.90 | 16,790 |
| 2006 | 470 | 46.4 | 24,911 | 79.50 | 19,809 |
| 2007 | 730 | 50.7 | 25,893 | 76.00 | 19,676 |
| 2008 | 680 | 43.5 | 23,697 | 69.60 | 16,493 |
| 2009 ⁵ | | | | | |
| Honolulu | | | | | |
| 2005 | 50 | 3.0 | 2,277 | 60.70 | 1,382 |
| 2006 | 50 | 3.1 | 2,360 | 64.20 | 1,515 |
| 2007 | 60 | 2.5 | 1,270 | 74.20 | 942 |
| 2008 | 50 | .8 | 615 | 58.20 | 358 |
| 2009 ⁵ | | | | | |
| Kauai | | | | | |
| 2005 | 120 | 3.8 | 2,785 | 60.60 | 1,689 |
| 2006 | 120 | 3.9 | 2,683 | 64.30 | 1,725 |
| 2007 | 130 | 3.1 | 1,954 | 67.50 | 1,318 |
| 2008 | 120 | 5.2 | 2,529 | 77.50 | 1,959 |
| 2009 ⁵ | | | | | |
| Maui | | | | | |
| 2005 | 160 | 6.1 | 3,850 | 69.80 | 2,686 |
| 2006 | 160 | 7.6 | 4,556 | 74.70 | 3,403 |
| 2007 | 180 | 8.7 | 7,043 | 60.50 | 4,260 |
| 2008 | 150 | 9.5 | 9,079 | 60.50 | 5,495 |
| 2009 ⁵ | | | | | |

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

² Sum of county estimates may not add to State total due to rounding.

³ Excludes custom slaughter for use on farms where produced.

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

⁵ County estimates not published due to staff reduction-in-force but combined and included in the State total.



CATTLE

CATTLE: Number Sold, Pounds, Price, and Value, State of Hawaii, 2005-2009

| Year | Number sold ¹ | Pounds sold (live weight) ² | 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> |
| 2005 | 15 | 13,160 | 49.00 | 6,448 |
| 2006 | 20 | 17,290 | 52.40 | 9,060 |
| 2007 | 17 | 15,520 | 49.10 | 7,620 |
| 2008 | 18 | 18,700 | 51.70 | 9,668 |
| 2009 | 19 | 19,800 | 53.30 | 10,553 |

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

² Excludes custom slaughter for use on farms where produced.

CALVES: Number Sold, Pounds, Price, and Value, State of Hawaii, 2005-2009

| Year | Number sold ¹ | Pounds sold (live weight) ² | 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> |
| 2005 | 39 | 16,770 | 96.00 | 16,099 |
| 2006 | 41 | 17,220 | 101.00 | 17,392 |
| 2007 | 48 | 20,640 | 90.00 | 18,576 |
| 2008 | 41 | 17,220 | 85.00 | 14,637 |
| 2009 | 38 | 20,900 | 88.00 | 18,392 |

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

² Excludes custom slaughter for use on farms where produced.

CATTLE AND CALVES: Inventory and Disposition, State of Hawaii, 2005-2009

| Year | Inventory beginning January 1 | Calf crop | Inshipments | Marketings | Farm slaughter | Deaths | Inventory January 1 following year |
|-------------|-------------------------------------|--------------|-------------|------------|-------------------|----------|--|
| | <i>1,000 head</i> | | | | | | |
| 2005 | 155 | 66 | * | 54 | 1 | 5 | 161 |
| 2006 | 161 | 65 | * | 61 | 1 | 6 | 158 |
| 2007 | 158 | 65 | * | 65 | 1 | 5 | 152 |
| 2008 | 152 | 65 | * | 59 | 1 | 7 | 150 |
| 2009 | 150 | 65 | * | 57 | 1 | 6 | 151 |

* = Less than 500.

CATTLE AND CALVES: Exports by Weight and Sex, State of Hawaii, 2005-2009

| Year | Total | By weight category | | By sex class | | |
|-------------|-------------------|---------------------|---------------------|--------------|-----------|----------|
| | | Cattle ¹ | Calves ² | Steers | Heifers | Others |
| | <i>1,000 head</i> | | | | | |
| 2005 | 42 | 3 | 39 | 22 | 18 | 2 |
| 2006 | 46 | 5 | 41 | 27 | 17 | 2 |
| 2007 | 51 | 3 | 48 | 26 | 23 | 2 |
| 2008 | 43 | 2 | 41 | 23 | 19 | 1 |
| 2009 | 41 | 3 | 38 | 23 | 18 | * |

* = Less than 500.

¹ 500 pounds or more.

² 499 pounds or less.

CATTLE: Commercial Slaughter and Farm Price, State of Hawaii, 2005-2009¹

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total or average |
|---|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|------------------|
| Number of head² – 1,000 head | | | | | | | | | | | | | |
| 2005 | .7 | .7 | .8 | .9 | .8 | .8 | .7 | .8 | .7 | .7 | .8 | .9 | 9.2 |
| 2006 | .8 | .8 | 1.0 | .8 | 1.0 | .9 | .9 | 1.0 | .9 | .9 | .7 | .8 | 10.5 |
| 2007 | .9 | .8 | .9 | .9 | 1.0 | .9 | .9 | 1.1 | .9 | 1.0 | .9 | .8 | 11.1 |
| 2008 | 1.0 | .8 | .9 | 1.0 | 1.0 | .9 | 1.1 | 1.0 | .9 | 1.0 | .9 | .9 | 11.5 |
| 2009 | .9 | .9 | 1.0 | .9 | .9 | .9 | 1.0 | .9 | .9 | .9 | .8 | 1.0 | 11.1 |
| Pounds slaughtered, dressed weight²³ – 1,000 pounds | | | | | | | | | | | | | |
| 2005 | 397 | 385 | 469 | 512 | 453 | 497 | 437 | 504 | 430 | 444 | 456 | 483 | 5,466 |
| 2006 | 447 | 446 | 567 | 455 | 556 | 525 | 539 | 610 | 535 | 520 | 438 | 450 | 6,088 |
| 2007 | 533 | 476 | 540 | 508 | 582 | 557 | 516 | 610 | 536 | 585 | 495 | 452 | 6,390 |
| 2008 | 658 | 518 | 569 | 613 | 612 | 585 | 675 | 611 | 583 | 646 | 534 | 571 | 7,174 |
| 2009 | 570 | 601 | 654 | 582 | 553 | 552 | 637 | 593 | 573 | 520 | 489 | 643 | 6,968 |
| Average farm price, dressed weight – cents per pound | | | | | | | | | | | | | |
| 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 |
| 2006 | 77.0 | 82.5 | 80.5 | 80.0 | 81.0 | 79.5 | 78.0 | 80.5 | 79.5 | 79.0 | 82.5 | 81.5 | 80.0 |
| 2007 | 85.0 | 81.0 | 80.0 | 83.5 | 80.0 | 82.0 | 83.5 | 83.0 | 82.5 | 84.5 | 85.0 | 83.5 | 83.0 |
| 2008 | 87.0 | 88.0 | 90.0 | 89.0 | 90.0 | 90.5 | 91.5 | 90.0 | 92.5 | 90.0 | 95.0 | 96.0 | 90.5 |
| 2009 | 93.0 | 92.5 | 94.0 | 95.0 | 92.5 | 96.0 | 100.0 | 94.0 | 94.0 | 95.0 | 99.0 | 94.5 | 95.0 |

¹ Includes custom slaughter for home use.

² Sum of monthly estimates may not add to annual total due to rounding.

³ 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, 1997-2009¹

| Year | Steers and heifers | | | | Cows | | | |
|-------------|--------------------------------|-----------------------------|----------------|--------------------------------|-----------------------------|----------------|--|--|
| | Marketings (dressed weight) | Average price | | Marketings (dressed weight) | Average price | | | |
| | | Live weight ² | Dressed weight | | Live weight ² | Dressed weight | | |
| | 1,000 pounds | ----- Cents per pound ----- | | 1,000 pounds | ----- Cents per pound ----- | | | |
| 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 | 5,040 | 47.8 | 87.0 | 2,877 | 29.0 | 53.0 | | |
| 2003 | 3,067 | 50.1 | 91.5 | 1,891 | 27.6 | 50.5 | | |
| 2004 | 6,023 | 52.4 | 95.5 | 1,652 | 27.7 | 50.5 | | |
| 2005 | 4,505 | 55.2 | 100.5 | 1,086 | 27.8 | 50.5 | | |
| 2006 | 5,553 | 60.3 | 110.0 | 1,741 | 29.2 | 53.0 | | |
| 2007 | 5,321 | 56.6 | 103.0 | 1,654 | 29.2 | 53.2 | | |
| 2008 | 7,594 | 58.2 | 106.0 | 1,921 | 29.2 | 53.2 | | |
| 2009 | 9,063 | 59.7 | 109.0 | 2,218 | 29.5 | 53.7 | | |

¹ Excludes out-of-State shipments.

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



MILK: Number of Operations, Number of Milk Cows, Production, Sales, Price, and Value, by County, 2005-2009

| Year | Operations with milk cows ¹ | Licensed dairy herds ² | Annual average milk cows | Milk per cow | Production ³ | Sold ³ | Average price ⁴ | Value of sales |
|--------------------------------------|--|-----------------------------------|--------------------------|---------------|----------------------------|-------------------|----------------------------|----------------|
| | ----- Number ----- | | | Pounds | ----- Million pounds ----- | | Dollars per hundredweight | 1,000 dollars |
| State | | | | | | | | |
| 2005 | 30 | 5 | 5,400 | 12,889 | 69.6 | 68.1 | 27.00 | 18,387 |
| 2006 | 30 | 5 | 4,300 | 13,256 | 57.0 | 55.8 | 26.00 | 14,508 |
| 2007 | 15 | 5 | 2,900 | 12,241 | 35.5 | 34.3 | 28.20 | 9,673 |
| 2008 | 15 | 2 | 1,700 | 10,882 | 18.5 | 17.9 | 30.50 | 5,460 |
| 2009 | 15 | 2 | 1,500 | 14,200 | 21.3 | 21.1 | 35.50 | 7,491 |
| County: | | | | | | | | |
| Hawaii/Kauai/Maui⁵ | | | | | | | | |
| 2005 | 24 | 2 | 6 | 6 | 6 | 6 | 6 | 6 |
| 2006 | 24 | 2 | 6 | 6 | 6 | 6 | 6 | 6 |
| 2007 | 12 | 2 | 6 | 6 | 6 | 6 | 6 | 6 |
| 2008 | 12 | 2 | 6 | 6 | 6 | 6 | 6 | 6 |
| 2009⁶ | | | | | | | | |
| Honolulu | | | | | | | | |
| 2005 | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 |
| 2006 | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 |
| 2007 | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 |
| 2008 | 3 | 0 | 6 | 6 | 6 | 6 | 6 | 6 |
| 2009⁶ | | | | | | | | |

¹ An operation is any place having one or more head of milk cows, excluding cows used to nurse calves, on hand at any time during the year. Includes commercially licensed dairy herds.

² Average number of dairy farms licensed to sell milk. Prior to 2008, rounded to the nearest five at the State level.

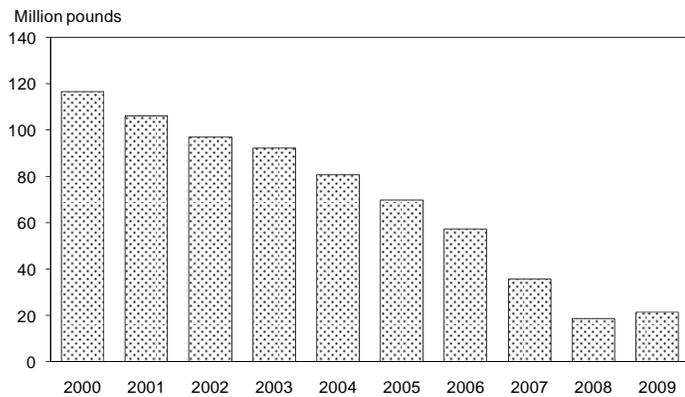
³ Difference between "Production" and "Sold" is milk used on farms for human consumption, fed to calves or other uses.

⁴ Rounded to the nearest dime.

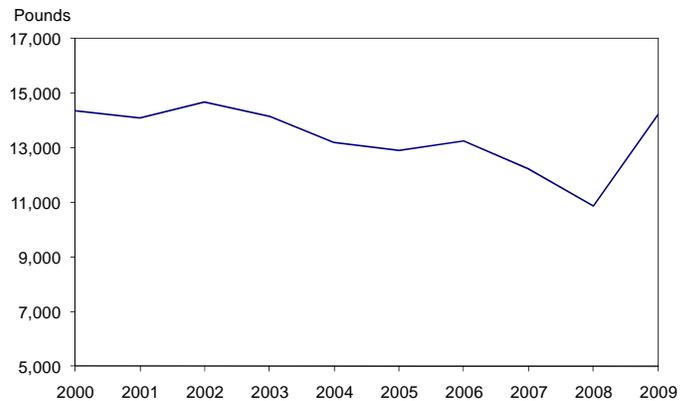
⁵ Kauai and Maui combined with Hawaii to avoid disclosure of individual operations.

⁶ Data not shown separately to avoid disclosure of individual operations but combined and included in the State total.

MILK: Annual milk production, State of Hawaii, 2000-2009



MILK: Annual milk per cow, State of Hawaii, 2000-2009



MILK: Number of Cows, Milk Production, Price, and Milkfat, State of Hawaii, 2005-2009

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total or Average ¹ |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------------------|
| Average number of milk cows on hand during month – 1,000 head | | | | | | | | | | | | | |
| 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 |
| 2006 | 4.6 | 4.4 | 4.4 | 4.5 | 4.3 | 4.3 | 4.3 | 4.2 | 4.2 | 4.1 | 3.9 | 3.8 | 4.3 |
| 2007 | 3.8 | 3.7 | 3.3 | 3.2 | 3.2 | 2.7 | 2.7 | 2.6 | 2.6 | 2.5 | 2.3 | 2.3 | 2.9 |
| 2008 | 2.2 | 1.9 | 1.8 | 1.7 | 1.7 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.7 |
| 2009 | 1.6 | 1.5 | 1.5 | 1.6 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.6 | 1.6 | 1.5 |
| Average monthly production per all cows in herd – pounds | | | | | | | | | | | | | |
| 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 |
| 2006 | 1,150 | 1,090 | 1,180 | 1,065 | 1,185 | 1,140 | 1,165 | 1,145 | 1,050 | 1,025 | 1,025 | 1,185 | 13,256 |
| 2007 | 1,180 | 1,000 | 1,200 | 1,110 | 1,020 | 1,080 | 1,000 | 970 | 860 | 920 | 840 | 840 | 12,241 |
| 2008 | 770 | 740 | 890 | 880 | 940 | 940 | 940 | 940 | 880 | 940 | 940 | 1,130 | 10,882 |
| 2009 | 1,190 | 1,070 | 1,200 | 1,190 | 1,200 | 1,200 | 1,200 | 1,200 | 1,070 | 1,070 | 1,060 | 1,250 | 14,200 |
| Milk production – million pounds | | | | | | | | | | | | | |
| 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 |
| 2006 | 5.3 | 4.8 | 5.2 | 4.8 | 5.1 | 4.9 | 5.0 | 4.8 | 4.4 | 4.2 | 4.0 | 4.5 | 57.0 |
| 2007 | 4.4 | 3.8 | 3.9 | 3.6 | 3.3 | 2.8 | 2.7 | 2.5 | 2.2 | 2.2 | 2.1 | 2.0 | 35.5 |
| 2008 | 1.7 | 1.4 | 1.6 | 1.5 | 1.6 | 1.5 | 1.5 | 1.5 | 1.4 | 1.5 | 1.5 | 1.8 | 18.5 |
| 2009 | 1.9 | 1.6 | 1.8 | 1.9 | 1.8 | 1.8 | 1.8 | 1.8 | 1.6 | 1.6 | 1.7 | 2.0 | 21.3 |
| Average price for milk sold to plants – dollars per hundredweight | | | | | | | | | | | | | |
| 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 |
| 2006 | 26.80 | 26.20 | 25.50 | 25.10 | 24.90 | 24.80 | 24.90 | 26.40 | 26.70 | 26.90 | 27.00 | 26.90 | 26.00 |
| 2007 | 26.80 | 26.90 | 27.00 | 27.10 | 27.40 | 27.70 | 29.90 | 29.90 | 30.00 | 29.80 | 30.00 | 30.00 | 28.20 |
| 2008 | 29.80 | 29.50 | 29.30 | 29.20 | 29.40 | 29.40 | 29.40 | 29.50 | 29.50 | 29.50 | 35.30 | 35.40 | 30.50 |
| 2009 | 35.40 | 35.40 | 35.40 | 35.50 | 35.40 | 35.40 | 35.40 | 35.40 | 35.50 | 35.60 | 35.60 | 35.60 | 35.50 |
| Average milkfat for milk sold to plants – percent | | | | | | | | | | | | | |
| 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 |
| 2006 | 3.37 | 3.38 | 3.39 | 3.41 | 3.36 | 3.30 | 3.37 | 3.33 | 3.37 | 3.38 | 3.34 | 3.37 | 3.36 |
| 2007 | 3.35 | 3.43 | 3.40 | 3.33 | 3.33 | 3.37 | 3.41 | 3.48 | 3.45 | 3.47 | 3.48 | 3.46 | 3.40 |
| 2008 | 3.40 | 3.47 | 3.20 | 3.27 | 3.29 | 3.37 | 3.37 | 3.44 | 3.50 | 3.54 | 3.36 | 3.47 | 3.39 |
| 2009 | 3.51 | 3.41 | 3.50 | 3.58 | 3.52 | 3.49 | 3.50 | 3.51 | 3.62 | 3.71 | 3.70 | 3.73 | 3.55 |

¹ Sum of monthly estimates may not add to annual total due to rounding.



HOGS

HOGS AND PIGS: December 1 Inventory by Classes and Weight, State of Hawaii, 2005-2009

| 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> | | | | | | | |
| 2005 | 19 | 5.0 | 14.0 | 6.0 | 3.9 | 2.4 | 1.7 |
| 2006 | 16 | 4.1 | 11.9 | 5.5 | 3.0 | 2.0 | 1.4 |
| 2007 | 15 | 3.6 | 11.4 | 5.8 | 2.7 | 1.8 | 1.1 |
| 2008 ¹ | 13 | 2.8 | 10.2 | 3.8 | 3.3 | 1.9 | 1.2 |
| 2009¹ | 13 | 2.9 | 10.1 | 3.9 | 3.2 | 1.7 | 1.3 |

¹ Beginning 2008, the market weight group under 60 pounds has been changed to under 50 pounds. The market weight group 60-119 pounds has been changed to 50-119 pounds.

HOGS AND PIGS: December 1 Inventory by Class, by County, 2005-2009

| 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> | | | |
| County: Hawaii | | | | Kauai | | | |
| 2005 | 1.1 | .3 | .8 | 2005 | 2.0 | .4 | 1.6 |
| 2006 | .9 | .3 | .6 | 2006 | 2.0 | .3 | 1.7 |
| 2007 | 1.1 | .4 | .7 | 2007 | 2.0 | .3 | 1.7 |
| 2008 | .6 | .2 | .4 | 2008 | 1.5 | .2 | 1.3 |
| 2009¹ | | | | 2009¹ | | | |
| Honolulu | | | | Maui | | | |
| 2005 | 11.4 | 2.8 | 8.6 | 2005 | 4.5 | 1.5 | 3.0 |
| 2006 | 9.6 | 2.5 | 7.1 | 2006 | 3.5 | 1.0 | 2.5 |
| 2007 | 9.2 | 2.4 | 6.8 | 2007 | 2.7 | .5 | 2.2 |
| 2008 | 9.4 | 2.1 | 7.3 | 2008 | 1.5 | .3 | 1.2 |
| 2009¹ | | | | 2009¹ | | | |

¹ County estimates not published due to staff reduction-in-force but combined and included in the State total.

**HOGS: Number of Operations, Number and Pounds Sold, Price, and Value,
by County, 2005-2009**

| Year | Operations | Number sold ¹ | Pounds sold (live weight) ² | 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> |
| State³ | | | | | |
| 2005 | 230 | 26.0 | 5,070 | 89.80 | 4,553 |
| 2006 | 230 | 23.0 | 4,485 | 92.70 | 4,158 |
| 2007 | 230 | 20.0 | 3,880 | 94.90 | 3,682 |
| 2008 | 230 | 18.0 | 3,456 | 97.20 | 3,359 |
| 2009⁴ | 230 | 15.1 | 3,096 | 96.80 | 2,996 |
| County: | | | | | |
| Hawaii | | | | | |
| 2005 | 70 | 1.8 | 369 | 86.50 | 319 |
| 2006 | 70 | 1.5 | 303 | 84.50 | 256 |
| 2007 | 70 | 1.1 | 216 | 85.50 | 185 |
| 2008 | 70 | 1.0 | 203 | 84.00 | 171 |
| 2009⁴ | | | | | |
| Honolulu | | | | | |
| 2005 | 70 | 15.6 | 3,069 | 90.00 | 2,762 |
| 2006 | 70 | 12.9 | 2,591 | 91.50 | 2,371 |
| 2007 | 70 | 11.1 | 2,157 | 91.50 | 1,974 |
| 2008 | 70 | 9.9 | 1,968 | 94.50 | 1,860 |
| 2009⁴ | | | | | |
| Kauai | | | | | |
| 2005 | 30 | 3.7 | 643 | 92.00 | 592 |
| 2006 | 30 | 3.7 | 596 | 102.50 | 611 |
| 2007 | 30 | 3.4 | 575 | 111.00 | 638 |
| 2008 | 30 | 3.3 | 496 | 116.50 | 578 |
| 2009⁴ | | | | | |
| Maui | | | | | |
| 2005 | 60 | 4.9 | 989 | 89.00 | 880 |
| 2006 | 60 | 4.9 | 995 | 92.50 | 920 |
| 2007 | 60 | 4.4 | 932 | 95.00 | 885 |
| 2008 | 60 | 3.8 | 789 | 95.00 | 750 |
| 2009⁴ | | | | | |

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

² Excludes custom slaughter for use on farms where produced and interfarm sales.

³ 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.

⁴ County estimates not published due to staff reduction-in-force but combined and included in the State total.



HOGS: Commercial Slaughter and Farm Price, State of Hawaii, 2005-2009

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total or average |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------|
| Number of head^{1,2} – 1,000 head | | | | | | | | | | | | | |
| 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 |
| 2006 | 1.8 | 1.7 | 1.8 | 1.7 | 2.0 | 2.2 | 1.9 | 2.0 | 1.8 | 1.8 | 1.8 | 2.2 | 22.5 |
| 2007 | 1.7 | 1.5 | 1.7 | 1.7 | 1.8 | 1.9 | 1.8 | 1.9 | 1.5 | 1.6 | 1.7 | 2.0 | 21.0 |
| 2008 | 1.5 | 1.5 | 1.5 | 1.6 | 1.6 | 1.7 | 1.7 | 1.7 | 1.6 | 1.6 | 1.4 | 1.8 | 19.2 |
| 2009 | 1.4 | 1.2 | 1.3 | 1.2 | 1.3 | 1.5 | 1.5 | 1.3 | 1.3 | 1.4 | 1.4 | 1.7 | 16.5 |
| Pounds slaughtered, dressed weight^{1,2,3} – 1,000 pounds | | | | | | | | | | | | | |
| 2005 | 302 | 287 | 312 | 299 | 328 | 311 | 318 | 306 | 310 | 285 | 338 | 387 | 3,784 |
| 2006 | 304 | 276 | 301 | 294 | 333 | 368 | 322 | 336 | 319 | 322 | 301 | 360 | 3,836 |
| 2007 | 281 | 254 | 283 | 263 | 296 | 296 | 291 | 298 | 253 | 269 | 301 | 332 | 3,416 |
| 2008 | 248 | 254 | 260 | 263 | 277 | 271 | 288 | 299 | 275 | 281 | 225 | 303 | 3,242 |
| 2009 | 242 | 212 | 235 | 212 | 214 | 243 | 237 | 236 | 225 | 245 | 236 | 283 | 2,819 |
| All hogs, average farm price, dressed weight⁴ – cents per pound | | | | | | | | | | | | | |
| 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 |
| 2006 | 123.0 | 125.5 | 122.5 | 122.5 | 124.0 | 126.5 | 123.5 | 122.0 | 124.5 | 124.0 | 127.0 | 124.5 | 123.5 |
| 2007 | 126.0 | 127.5 | 127.5 | 125.5 | 125.5 | 125.5 | 130.0 | 129.0 | 127.5 | 129.5 | 124.0 | 126.0 | 126.5 |
| 2008 | 128.5 | 129.5 | 129.5 | 134.5 | 129.5 | 129.5 | 132.0 | 129.0 | 130.0 | 130.5 | 130.0 | 127.5 | 129.5 |
| 2009 | 124.5 | 129.0 | 130.5 | 128.0 | 130.5 | 129.5 | 129.5 | 129.0 | 130.0 | 130.5 | 130.0 | 130.0 | 129.0 |
| Market hogs, average farm price, dressed weight⁴ – cents per pound | | | | | | | | | | | | | |
| 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 |
| 2006 | 127.0 | 128.5 | 127.5 | 126.0 | 127.0 | 131.5 | 130.0 | 129.5 | 129.0 | 128.5 | 131.5 | 129.5 | 128.5 |
| 2007 | 129.0 | 130.5 | 131.0 | 130.5 | 132.5 | 130.0 | 133.0 | 132.0 | 132.5 | 134.0 | 130.5 | 130.5 | 131.0 |
| 2008 | 132.0 | 132.5 | 135.0 | 138.5 | 135.0 | 133.0 | 136.5 | 133.5 | 133.0 | 133.0 | 133.5 | 130.5 | 133.5 |
| 2009 | 126.0 | 130.5 | 131.5 | 129.5 | 133.5 | 132.0 | 131.5 | 131.0 | 132.0 | 133.0 | 133.0 | 130.5 | 131.5 |

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

² Sum of monthly estimates may not add to annual total due to rounding.

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

⁴ 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, 2005-2009

| Year | Inventory December 1 previous year | Pig crop | Inshipments ¹ | Marketings ¹ | Farm slaughter | Deaths | Inventory December 1 |
|-------------------|------------------------------------|-------------|--------------------------|-------------------------|----------------|------------|----------------------|
| <i>1,000 head</i> | | | | | | | |
| 2005 | 22 | 28.0 | * | 26.0 | 1 | 4.0 | 19 |
| 2006 | 19 | 25.0 | * | 23.0 | 1 | 4.0 | 16 |
| 2007 | 16 | 24.0 | * | 20.0 | 1 | 4.0 | 15 |
| 2008 | 15 | 20.0 | * | 18.0 | 1 | 3.0 | 13 |
| 2009 | 13 | 18.8 | * | 15.1 | 1 | 2.7 | 13 |

* = Less than 500 head.

¹ Excludes live hogs brought in for immediate slaughter.



State's December 1 inventory Rose 2 percent

Hawaii farmers had 379,000 egg-type chickens on hand on December 1, 2009, up 6,000 or 2 percent from 2008. Of the total chickens, 319,000 or 84 percent were layers and 60,000 were non-laying pullets.

Egg Production for 2009 totaled 69.5 million, down 5 percent from the 2008 total of 73.3 million eggs. The average number of layers on hand during 2009 was 330,000, a decrease of 4 percent compared to the previous year. Production per layer also declined to an

average of 211 eggs in 2009, down 1 percent from the 2008 rate of 214 eggs per layer.

Record high average farm price helps offset lower production

The farm price of a dozen eggs averaged a new record high \$1.51 in 2009, up 9.0 cents a dozen from the previous record high set in 2008.

Total cash receipts from the sale of eggs, increased 1 percent to \$8.8 million in 2009 as higher farm prices more than offset lower egg production.

CHICKENS: December 1 Inventory by Class, by County, 2005-2009

| 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 | |

Thousands

State

| | | | | | | | |
|-------------|------------|------------|-----------|------------|-----------|-----------|----------|
| 2005 | 547 | 369 | 117 | 486 | 25 | 36 | * |
| 2006 | 470 | 293 | 122 | 415 | 20 | 35 | * |
| 2007 | 398 | 265 | 90 | 355 | 20 | 23 | * |
| 2008 | 373 | 250 | 84 | 334 | 18 | 21 | * |
| 2009 | 379 | 235 | 84 | 319 | 29 | 31 | * |

County:

Hawaii/Kauai/Maui¹

| | | | | | | | |
|-------------------------|-----|----|----|----|---|---|---|
| 2005 | 104 | 67 | 30 | 97 | 3 | 4 | * |
| 2006 ² | | | | | | | |
| 2007 ² | | | | | | | |
| 2008 ² | | | | | | | |
| 2009² | | | | | | | |

Honolulu

| | | | | | | | |
|-------------------------|-----|-----|----|-----|----|----|---|
| 2005 | 443 | 302 | 87 | 389 | 22 | 32 | * |
| 2006 ² | | | | | | | |
| 2007 ² | | | | | | | |
| 2008 ² | | | | | | | |
| 2009² | | | | | | | |

* = Less than 500.

¹ Kauai and Maui combined with Hawaii to avoid disclosure of individual operations.

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

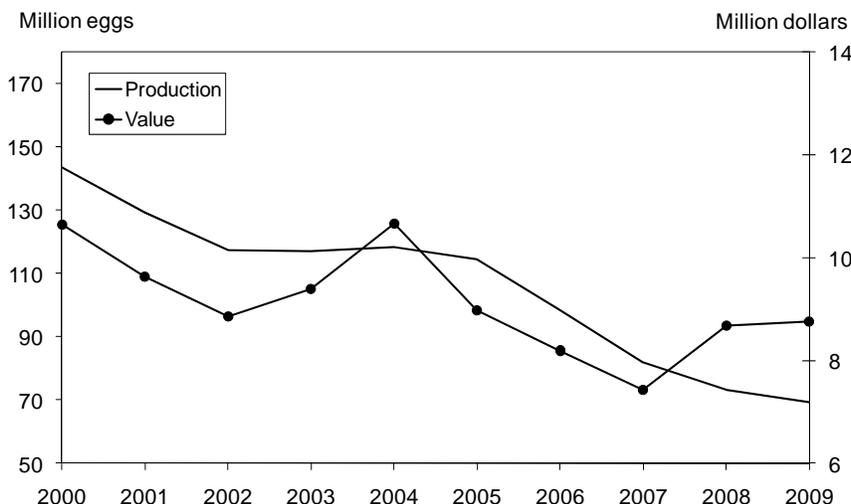


EGGS: December 1 Number of Operations, Number of Layers, Production, Price, and Value, by County, 2005-2009¹

| Year | Operations | | Average number of layers | Average production per layer | Production ² | Average price ³ | Value of sales |
|--------------------------------------|---------------|----------------------|--------------------------|------------------------------|-------------------------|----------------------------|----------------------|
| | All | 3,000 layers or more | | | | | |
| | <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> |
| State⁴ | | | | | | | |
| 2005 | 80 | 8 | 498 | 230 | 114.5 | 94.1 | 8,979 |
| 2006 | 80 | 6 | 448 | 219 | 98.3 | 100.0 | 8,192 |
| 2007 | 80 | 5 | 378 | 216 | 81.8 | 109.0 | 7,428 |
| 2008 | 100 | 5 | 343 | 214 | 73.3 | 142.0 | 8,678 |
| 2009 | 100 | 5 | 330 | 211 | 69.5 | 151.0 | 8,759 |
| County: | | | | | | | |
| Hawaii/Kauai/Maui⁵ | | | | | | | |
| 2005 | 65 | 4 | 112 | 220 | 24.8 | 110.0 | 2,274 |
| 2006 | 65 | 2 | 6 | 6 | 6 | 6 | 6 |
| 2007 | 65 | 1 | 6 | 6 | 6 | 6 | 6 |
| 2008 | 85 | 1 | 6 | 6 | 6 | 6 | 6 |
| 2009⁷ | | | | | | | |
| Honolulu | | | | | | | |
| 2005 | 15 | 4 | 386 | 232 | 89.7 | 89.5 | 6,705 |
| 2006 | 15 | 4 | 6 | 6 | 6 | 6 | 6 |
| 2007 | 15 | 4 | 6 | 6 | 6 | 6 | 6 |
| 2008 | 15 | 4 | 6 | 6 | 6 | 6 | 6 |
| 2009⁷ | | | | | | | |

¹ 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. ² Home consumption less than 0.5 million eggs included. ³ Equivalent delivered processing plant. ⁴ Sum of county estimates may not add to State total due to rounding. ⁵ Kauai and Maui combined with Hawaii to avoid disclosure of individual operations. ⁶ Data not shown separately to avoid disclosure of individual operations but combined and included in the State total. ⁷ County estimates not published due to staff reduction-in-force but combined and included in the State total.

EGGS: Production and Value of Sales, State of Hawaii, 2000-2009





EGGS: Number of Layers, Production, and Price, State of Hawaii, 2005-2009

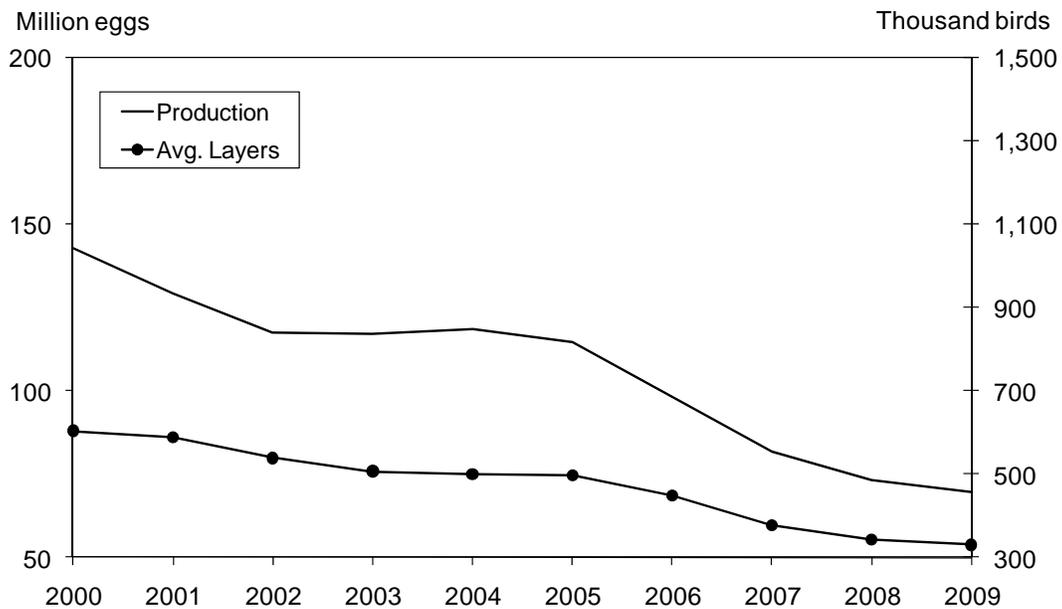
| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Total or average ¹ |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------|-------------------------------|
| Average number of layers on hand during month – 1,000 layers | | | | | | | | | | | | | |
| 2005 | 511 | 500 | 506 | 504 | 486 | 488 | 487 | 491 | 496 | 496 | 495 | 479 | 498 |
| 2006 | 478 | 475 | 467 | 461 | 446 | 445 | 438 | 429 | 427 | 419 | 417 | 409 | 448 |
| 2007 | 403 | 395 | 388 | 380 | 367 | 368 | 369 | 368 | 366 | 365 | 362 | 360 | 378 |
| 2008 | 361 | 353 | 352 | 351 | 336 | 335 | 333 | 329 | 330 | 333 | 338 | 338 | 343 |
| 2009 | 339 | 334 | 337 | 339 | 333 | 325 | 327 | 326 | 315 | 319 | 323 | | 330 |
| Egg production² – million eggs | | | | | | | | | | | | | |
| 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 |
| 2006 | 8.8 | 7.9 | 8.7 | 8.3 | 8.3 | 8.2 | 8.6 | 8.2 | 7.6 | 7.6 | 7.3 | 7.4 | 98.3 |
| 2007 | 7.3 | 6.4 | 6.9 | 6.7 | 6.9 | 6.9 | 7.0 | 6.8 | 6.4 | 6.7 | 6.4 | 6.4 | 81.8 |
| 2008 | 6.5 | 6.1 | 6.5 | 6.1 | 6.1 | 6.0 | 6.3 | 6.1 | 5.8 | 5.8 | 5.6 | 6.0 | 73.3 |
| 2009 | 6.0 | 5.2 | 5.9 | 5.9 | 6.1 | 5.7 | 6.0 | 5.9 | 5.6 | 5.7 | 5.5 | | 69.5 |
| Average farm price³ – cents per dozen | | | | | | | | | | | | | |
| 2005 | 99.5 | 98.0 | 94.0 | 94.0 | 88.5 | 88.5 | 91.5 | 89.5 | 87.0 | 102.5 | 98.5 | 106.0 | 94.1 |
| 2006 | 108.0 | 105.0 | 96.0 | 100.0 | 98.0 | 97.0 | 97.0 | 93.5 | 98.5 | 100.5 | 100.0 | 110.0 | 100.0 |
| 2007 | 106.0 | 113.0 | 110.0 | 108.0 | 109.0 | 104.0 | 104.0 | 100.0 | 108.0 | 116.0 | 121.0 | 132.0 | 109.0 |
| 2008 | 132.0 | 138.0 | 142.0 | 147.0 | 147.0 | 138.0 | 145.0 | 142.0 | 145.0 | 149.0 | 150.0 | 150.0 | 142.0 |
| 2009 | 156.0 | 161.0 | 158.0 | 161.0 | 155.0 | 133.0 | 148.0 | 146.0 | 146.0 | 150.0 | 151.0 | | 151.0 |

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

² Sum of monthly estimates may not add to annual total due to rounding.

³ Equivalent delivered processing plant.

CHICKENS: Production and Average Number of Layers, State of Hawaii, 2000-2009





EQUINE, GOATS, HONEY AND BEESWAX, SHEEP

EQUINE: January 1 Inventory and Number Sold, State of Hawaii, 1992-2007

| Year | Inventory | Number sold |
|-------------------|------------|-------------|
| <i>1,000 head</i> | | |
| 1992 | 4.0 | .2 |
| 1997 | 5.1 | .2 |
| 2002 | 4.6 | .3 |
| 2007 | 6.5 | .4 |

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

GOATS: January 1 Inventory and Number Sold, State of Hawaii, 1992-2007

| Year | Inventory | Number sold |
|-------------------|------------|-------------|
| <i>1,000 head</i> | | |
| 1992 | 5.0 | 3.0 |
| 1997 | 3.3 | 3.6 |
| 2002 | 5.4 | 4.2 |
| 2007 | 9.2 | 2.8 |

Source: Census of Agriculture.

HONEY AND BEESWAX: Number of Operations, Colonies, Yield, Production, Price, and Value, State of Hawaii, 2005-2009

| Year | Opera- tions | Number of colonies | | Yield per colony (honey) | Production | | Average price ¹ | | Value of production | |
|-------------|-----------------|--------------------|-----------|--------------------------|--------------------------|-----------|-----------------------------|------------|---------------------------|-----------|
| | | Number | Thousands | | Honey (extracted) | Beeswax | Honey (extracted) | Beeswax | Honey (extracted) | Beeswax |
| | | | | Pounds | ----- 1,000 pounds ----- | | ----- Cents per pound ----- | | ----- 1,000 dollars ----- | |
| 2005 | 34 | 9 | | 131 | 1,179 | 10 | 143 | 182 | 1,686 | 18 |
| 2006 | 35 | 10 | | 93 | 930 | 29 | 121 | 205 | 1,125 | 59 |
| 2007 | 40 | 10 | | 92 | 920 | 6 | 170 | 294 | 1,564 | 18 |
| 2008 | 35 | 10 | | 90 | 900 | 12 | 159 | 261 | 1,431 | 31 |
| 2009 | 35 | 10 | | 95 | 950 | 10 | 163 | 315 | 1,549 | 30 |

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

SHEEP: January 1 Inventory and Number Sold, State of Hawaii, 1992-2007

| Year | Inventory | Number sold |
|-------------------|---------------|--------------|
| <i>1,000 head</i> | | |
| 1992 | 22,938 | 2,122 |
| 1997 | 22,541 | 2,484 |
| 2002 | 19,909 | 4,639 |
| 2007 | 22,376 | 4,784 |

Source: Census of Agriculture.



AQUACULTURE: Number of Operations, Production, and Value, by County, 2005-2009

| Year | Operations | Production | | Value | | | | | |
|---|------------|---------------------------------|------------|----------------------------------|--------------|---------------|--------------|--------------------|---------------|
| | | Shellfish | Finfish | Shellfish | Finfish | Algae | Ornamental | Other ¹ | Total |
| <i>Number</i> | | <i>----- 1,000 pounds -----</i> | | <i>----- 1,000 dollars -----</i> | | | | | |
| State | | | | | | | | | |
| 2005 | 70 | 2 | 2 | 2 | 2 | 14,637 | 2 | 2 | 28,398 |
| 2006 | 80 | 180 | 426 | 2,351 | 2,388 | 11,914 | 345 | 4,259 | 21,257 |
| 2007 | 70 | 65 | 533 | 520 | 4,583 | 10,941 | 2,424 | 6,642 | 25,110 |
| 2008 | 70 | 32 | 1,311 | 261 | 7,022 | 15,740 | 3,346 | 8,281 | 34,650 |
| 2009 | 70 | 56 | 821 | 420 | 4,447 | 16,995 | 2,671 | 7,797 | 32,330 |
| County: | | | | | | | | | |
| Hawaii | | | | | | | | | |
| 2005 | 25 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 20,179 |
| 2006 | 25 | 103 | 3 | 1,834 | 3 | 3 | 3 | 3 | 17,470 |
| 2007 | 25 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 20,013 |
| 2008 | 35 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 27,836 |
| 2009 | 4 | | | | | | | | |
| Honolulu/Kauai/Maui ⁵ | | | | | | | | | |
| 2005 | 45 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 8,219 |
| 2006 | 55 | 77 | 3 | 517 | 3 | 3 | 3 | 3 | 3,787 |
| 2007 | 45 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5,097 |
| 2008 | 35 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 6,814 |
| 2009 | 4 | | | | | | | | |

¹ Includes seed stock, brood stock, and items not sold by weight which includes number count.

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

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

⁴ County estimates not published due to staff reduction-in-force but combined and included in the State total.

⁵ Kauai and Maui combined with Honolulu to avoid disclosure of individual operations.





FARM LABOR: Number of Workers on Farms, Annual Averages and Quarterly Survey Week Totals, State of Hawaii, 2005-2009 ¹

| Year | Total farm workforce ² | Number of farm workers by type | | | | | |
|---------------|-----------------------------------|---|-------------------------------|---------------|-------------------------|--------------|--------------|
| | | Self-employed farm operators ² | Unpaid workers ^{2 3} | Hired workers | | | |
| | | | | Total | Sugarcane | Pineapple | Other |
| 2005 | | | | 7,000 | 700 | 1,100 | 5,200 |
| 2006 | | | | 7,000 | 600 | 1,000 | 5,400 |
| 2007 | | | | 6,500 | ⁴ | ⁴ | ⁴ |
| 2008 | 10,400 | 3,300 | 900 | 6,200 | ⁵ 1,100 | ⁵ | 5,100 |
| 2009 | 10,600 | 3,500 | 1,000 | 6,200 | ⁵ 900 | ⁵ | 5,300 |
| Survey week: | | | | | | | |
| January 11-17 | 10,500 | 3,500 | 1,000 | 6,000 | ⁵ 900 | ⁵ | 5,100 |
| April 12-18 | 10,300 | 3,300 | 900 | 6,100 | ⁵ 900 | ⁵ | 5,200 |
| July 12-18 | 10,400 | 3,400 | 900 | 6,100 | ⁵ 900 | ⁵ | 5,200 |
| October 11-17 | 11,150 | 3,650 | 1,100 | 6,400 | ⁵ 850 | ⁵ | 5,550 |

¹ Annual averages are based on quarterly survey week estimates.

² Total farm workforce, self-employed operators, and unpaid workers estimates were discontinued from July 2002 to April 2007 due to a change in the National labor statistics program.

³ Unpaid farm workers include family members and others that worked 15 or more hours during the survey week.

⁴ Annual averages are not available because the January 2007 Agricultural Labor survey was not conducted.

⁵ Beginning April 2007, pineapple is combined with sugarcane to avoid disclosure of individual operations.

FARM LABOR: Annual Average Number of Hired Workers on Farms, by County, 2005-2009 ¹

| Year | County | | | | Total ² |
|-------------------|--------------|--------------|--------------|--------------|--------------------|
| | Hawaii | Honolulu | Kauai | Maui | |
| 2005 | 2,500 | 2,050 | 700 | 1,700 | 7,000 |
| 2006 | 2,650 | 1,950 | 700 | 1,750 | 7,000 |
| 2007 ³ | 2,500 | 1,650 | 650 | 1,700 | 6,500 |
| 2008 | 2,350 | 1,600 | 550 | 1,700 | 6,200 |
| 2009 | ⁴ | ⁴ | ⁴ | ⁴ | 6,200 |

¹ Annual averages are based on data collected from the January, April, July, and October surveys.

² Sum of county estimates may not add to total due to rounding.

³ The 2007 annual average number of hired workers by county is based on modeled data for January and survey data for April, July, and October.

⁴ County estimates not published due to staff reduction-in-force but combined and included in the State total.



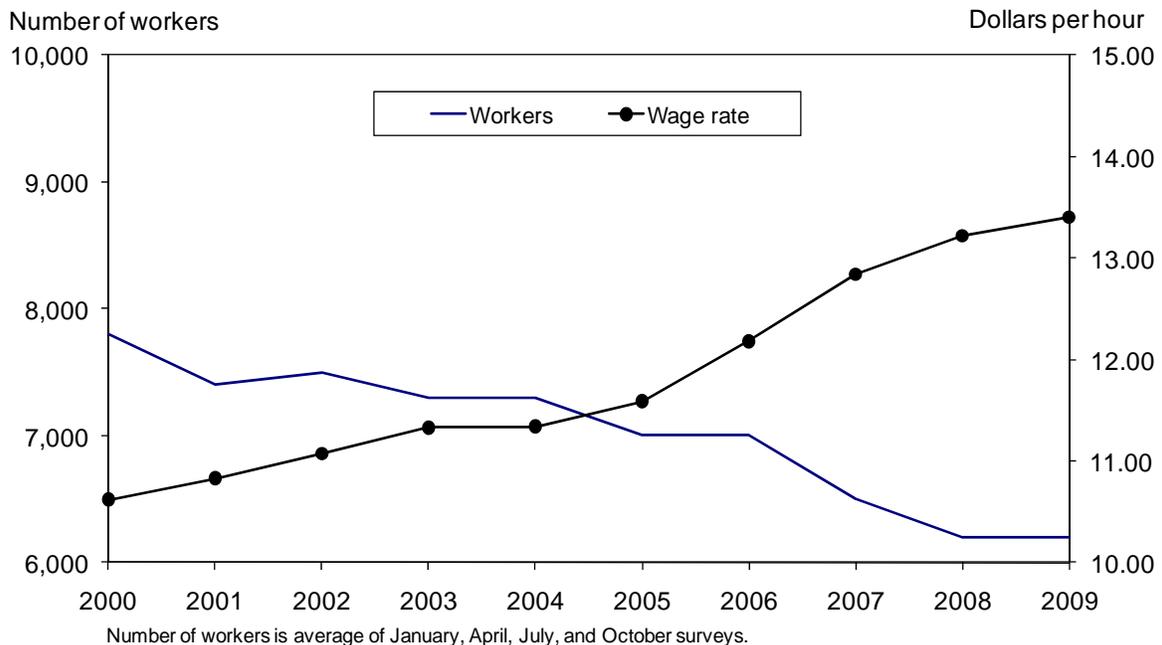
**FARM LABOR: Wage Rates by Type of Farm and Worker,
Annual and Quarterly Survey Week Averages, State of Hawaii, 2005-2009¹**

| Year | All farms | | Farms with 1-9 workers | |
|-------------------------|---------------------|-------------------|------------------------|-------------------|
| | Field and livestock | All hired workers | Field and livestock | All hired workers |
| <i>Dollars per hour</i> | | | | |
| 2005 | 10.00 | 11.59 | 9.19 | 10.25 |
| 2006 | 10.32 | 12.18 | 9.46 | 10.78 |
| 2007 ² | 10.86 | 12.84 | 10.18 | 11.17 |
| 2008 | 11.06 | 13.22 | 10.65 | 11.73 |
| 2009 | 11.45 | 13.40 | 10.54 | 11.28 |
| Survey week: | | | | |
| January 11-17 | 10.93 | 12.69 | 10.36 | 10.71 |
| April 12-18 | 11.40 | 13.36 | 10.28 | 10.97 |
| July 12-18 | 11.81 | 13.97 | 11.40 | 12.50 |
| October 11-17 | 11.69 | 13.60 | 10.30 | 11.15 |

¹ Annual wage rates are averages of the published wage rates for each survey week weighted by the number of hours worked during the week.

² The 2007 annual average wage rate for All Farms is based on modeled data for January and survey data for April, July, and October. The 2007 annual average wage rate for Farms With 1-9 Workers is based on survey data for April, July, and October.

**Hired Workforce and Average Wage Rate,
State of Hawaii, 2000-2009**





The value of Hawaii's ag-tourism related activities is pegged at \$38.8 million for 2006, up 14 percent from the \$33.9 million generated in 2003. There were 112 farms statewide that had ag-tourism related income during 2006, a 40 percent decrease from 2003 as fewer agricultural producers in Hawaii have opened up their operations to visitors to the farm experience through ag-tourism activities. Interest in ag-tourism continues to be strong as 84 farms either are involved in ag-tourism activities in 2006 or planned to be in the future.

The distribution of ag-tourism throughout Hawaii has become more concentrated during the past three years as Hawaii county now accounts for half of the farms with ag-tourism and 34 percent of the total value. Honolulu county had 12 percent of the farms and 37 percent of the total value. Kauai county accounted for 13 percent of the farms and the value was 16 percent of the total. Maui county accounted for 25 percent of the farms and was the only county showing a decline from 2003 with 13 percent of the total value.

AG-TOURISM: Number of farms, value, and future intentions by country, State of Hawaii, 2000, 2003, and 2006

| County | Total farms | | | Farms with ag-tourism activity | | | Value of ag-tourism | | | Farms intending to conduct ag-tourism activities in the future | | |
|--------------|---------------------|--------------|--------------|--------------------------------|------------|------------|---------------------|---------------|---------------|--|------------|-----------|
| | 2000 | 2003 | 2006 | 2000 | 2003 | 2006 | 2000 | 2003 | 2006 | 2000 | 2003 | 2006 |
| | ----- \$1,000 ----- | | | | | | | | | | | |
| Hawaii | 3,300 | 3,300 | 3,300 | 60 | 89 | 56 | 8,875 | 12,562 | 13,206 | 47 | 65 | 50 |
| Honolulu | 900 | 900 | 900 | 19 | 31 | 13 | 7,777 | 8,586 | 14,201 | 15 | 23 | 10 |
| Kauai | 500 | 500 | 500 | 16 | 24 | 15 | 2,103 | 5,949 | 6,365 | 6 | 20 | 10 |
| Maui | 800 | 800 | 800 | 31 | 43 | 28 | 7,288 | 6,772 | 4,994 | 16 | 37 | 14 |
| State | 5,500 | 5,500 | 5,500 | 126 | 187 | 112 | 26,043 | 33,869 | 38,766 | 84 | 145 | 84 |

Revenues from ag-tourism, which includes many various activities, was broken down into several categories. On-farm sales direct to farm visitors was the leading category, with \$12.1

million, followed by retail sales (products from other farms or souvenir items), outdoor recreation, educational, and others.

AG-TOURISM: Number of Farms and Value, by Type of Activity, State of Hawaii, 2000, 2003, and 2006

| Item | Type of ag-tourism activity | | | | | | | Totals ³ |
|------------------------|-----------------------------|---------------------|---------------|---------------------------|-----------------------------|---------------|--------------|---------------------|
| | Outdoor recreation | Educational tourism | On-farm sales | Retail sales ¹ | Accommodations ² | Entertainment | Other | |
| Farms | | | | | | | | |
| 2000 | 28 | 30 | 83 | 29 | 27 | 8 | 8 | 126 |
| 2003 | 34 | 30 | 103 | 38 | 33 | 8 | 6 | 187 |
| 2006 | 26 | 25 | 69 | 30 | 24 | 7 | 4 | 112 |
| Value (\$1,000) | | | | | | | | |
| 2000 | 5,875 | 353 | 8,444 | 6,700 | 2,252 | 775 | 1,644 | 26,043 |
| 2003 | 5,019 | 1,177 | 13,479 | 9,083 | 2,490 | 1,061 | 1,560 | 33,869 |
| 2006 | 9,305 | 2,255 | 12,054 | 11,963 | 4 | 4 | 3,189 | 38,766 |

¹ Includes products from other farms or souvenir items.

² Includes bed and breakfast, meeting rooms, etc.

³ Unduplicated total number of farms.

⁴ For 2006, Accommodations and Entertainment were combined with "Other" to avoid disclosure of individual operations.



Eight-one percent of all ag-tourism operations in 2006 were planning to maintain or expand their operations in the future. Only 4 percent, or 5 farms, of the total indicated that they will discontinue or reduce their ag-tourism activities

in the future. The 2006 Ag-tourism survey also showed that flower and/or nursery operations remained the most popular type of ag-tourism operation. Livestock and fruit farms were tied for second.

AG-TOURISM: Distribution of Farms by Future Intentions, State of Hawaii, 2000, 2003, and 2006

| Year | Future ag-tourism plans | | | | Total |
|-----------------------------------|------------------------------|-------------------------|---|-----------|------------|
| | Expand ag-tourism activities | Remain at current level | Discontinue or reduce ag-tourism activities | Uncertain | |
| <i>Number of ag-tourism farms</i> | | | | | |
| 2000 | 60 | 41 | 7 | 18 | 126 |
| 2003 | 61 | 86 | 8 | 32 | 187 |
| 2006 | 48 | 43 | 5 | 16 | 112 |

AG-TOURISM: Distribution of Farms by Type of Farm, State of Hawaii, 2000, 2003, and 2006

| Year | Type of farm ¹ | | | | | | | Total |
|-----------------------------------|---------------------------|-----------|-----------|---------------|----------------|-----------|----------|------------|
| | Fruit | Vegetable | Coffee | Macadamia nut | Flower/nursery | Livestock | Other | |
| <i>Number of ag-tourism farms</i> | | | | | | | | |
| 2000 | 12 | 8 | 25 | 5 | 35 | 30 | 11 | 126 |
| 2003 | 30 | 18 | 30 | 14 | 38 | 26 | 31 | 187 |
| 2006 | 21 | 8 | 20 | 8 | 25 | 21 | 9 | 112 |

¹ A predominate commodity was designated for farms reporting more than one commodity.



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 percent of the 2004 Hawaii net farm income of \$151 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 ¹ | | |
| <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 |
| Total | 1,946 | 2,019 | 7,400 | 11,365 |

¹ 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 |
| Total | 4,739 | 1,946 |

Vandalism by Category, State of Hawaii, 2004

| Type of vandalism | 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 |
| Total | 1,153 | 2,019 |



The Hawaii Field Office of USDA's National Agricultural Statistics Service estimates a portion of the value of agricultural commodities at the point in time when exported to the continental United States. A complete picture was not calculated due to the staff reduction-in-

force, but commodities published in the 2009 Statistics of Agriculture publication for 2009 are shown in this table. Some commodities were modified from its original condition to create an added value product.

Hawaii Agricultural Exports to the Mainland United States: Estimated Value, by Commodity Group, 2005-2009

| Commodity group | 2005 | 2006 | 2007 | 2008 | 2009 |
|----------------------------|----------------|----------------|----------------|----------------|----------------|
| <i>Thousand dollars</i> | | | | | |
| Cattle ¹ | 17,058 | 19,117 | 19,510 | 15,394 | 15,208 |
| Ornamentals ² | 48,387 | 48,217 | 53,174 | 42,906 | 31,543 |
| Molasses ³ | 4,600 | 4,900 | 5,400 | 5,300 | 7,800 |
| Raw sugar ⁴ | 87,900 | 74,800 | 70,900 | 66,100 | 65,800 |
| Seed | 77,330 | 103,040 | 140,710 | 176,990 | 220,560 |
| Other ⁵ | 202,753 | 177,104 | 122,494 | 136,706 | ⁶ |
| Total Mainland U.S. | 438,028 | 427,178 | 412,188 | 443,396 | ⁶ |

¹ Value is based on live weight price multiplied by average live weight and multiplied by the total number of cattle and calves exported.

² Includes floriculture and nursery products.

³ Commercial value of factory-produced molasses on a common basis calibrated empirical formula issued by the United States Department of Agriculture. Molasses is a by-product of processing sugarcane or refined raw cane sugar.

⁴ Commercial value for factory-produced sugar on a common basis calibrated empirical formula issued by the United States Department of Agriculture. Commercial sugar is sugar from high-grade massecuite (a mixture of crystals and mother liquor, crystallization having occurred in the mixture) which enters into commerce.

⁵ Commodities not published separately to avoid disclosing administratively confidential information.

⁶ Estimates not published due to staff reduction-in-force.

The United States Department of Agriculture's Economic Research Service estimates the value of Hawaii agricultural exports to foreign countries at \$101.8 million during the 2009

federal fiscal year (October 1, 2008 to September 30, 2009), up 2 percent from the previous year.

Hawaii Agricultural Exports Outside the United States: Estimated Value, by Commodity Group, 2005-2009 ¹

| Commodity group | 2005 | 2006 | 2007 | 2008 | 2009 |
|--------------------------------|----------------------------|----------------------------|----------------------------|----------------|----------------|
| <i>Thousand dollars</i> | | | | | |
| Fruits and preps ² | 54,200 | 49,800 | ⁴ 38,600 | 43,200 | 38,200 |
| Livestock ³ | 2,100 | ⁴ 2,400 | ⁴ 2,700 | 3,300 | 2,800 |
| Tree nuts | 7,600 | 7,600 | ⁴ 8,100 | 8,900 | 14,700 |
| Other ⁵ | ⁴ 30,800 | ⁴ 34,100 | ⁴ 38,500 | 44,800 | 46,100 |
| Total Foreign Countries | ⁴ 94,700 | ⁴ 93,900 | ⁴ 87,900 | 100,200 | 101,800 |

¹ Federal fiscal year begins October 1 of the previous year. Totals may not add due to rounding.

² Includes fruit, juice, and fruit products.

³ Includes live animals and animal products.

⁴ Revised.

⁵ Includes sugar and tropical products, minor oilseeds, essential oils, beverages other than juice, nursery and greenhouse, seeds, feeds & fodder, wine, and misc. vegetable products.

Source: USDA-Economic Research Service (ERS).



DEFINITION OF TERMS

- ◆ **Agriculture** entails all operations performed on a “farm” in connection with planting, growing, and harvesting of crops; raising and feeding of livestock and poultry, and management. All operations in connection with preparation of farm products for market where the preparation does not alter the form of the product and transportation to the first delivery point. In Hawaii, the first delivery point is defined as the processing plant or packinghouse door or other receivers’ establishment for marketings on the island of production. For off-island marketings, the first delivery point is generally the shipper’s warehouse.
- ◆ **Ag-tourism** is a commercial enterprise on a working farm conducted for the enjoyment, education, and/or active involvement of the visitor, generating supplemental income for the farm. Activities such as producing and selling products directly from the farm, operating a bed and breakfast, conducting educational farm tours, offering horseback riding, festivals, concerts, and many other on-farm activities qualify as ag-tourism.
- ◆ **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

frame which can never be perfect. In Hawaii, cattle, hog, macadamia nut, and coffee surveys are examples of stratified list sample designs.

- ◆ **Area Frame Sampling** can be used alone or in conjunction with the list frame. The frame consists of an aggregation of identifiable units of land or segments which may be sampled. The frame is complete and does not suffer the type of deterioration over time as does a list frame.
- ◆ **Multiple-Frame Sampling** is the use of two frames. It takes advantage of the best attributes of the area frame and the list frame, produces unbiased estimates, and allows measurement of the sampling error.
- ◆ **Objective Yield Surveys** provide information from direct counts, measurements and weights of the crop made from small plots in a probability selection of sample fields.
- ◆ **Administrative Data** is used in addition to producer surveys to establish final production and marketings. These include processor receipts, slaughter, vacuum cooler volume, and inspections. Unloads at Honolulu and wholesale prices, previously reported by the Market Analysis and News Branch, were 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.

The World Agricultural Outlook Board (WAOB) issues regular forecasts of U.S. and world supply and demand prospects for major agricultural commodities.

How can I get national publications from NASS & ERS?

→ For free e-mail subscriptions, visit usda.mannlib.cornell.edu/MannUsda/register.do or visit www.nass.usda.gov/Publications/index.asp. The NASS and ERS catalogs list all products and services available from each agency. The NASS catalog includes a calendar of publication dates for agricultural statistics reports throughout the year.

How can I get state publications from NASS field offices?

→ For free e-mail subscriptions, visit www.nass.usda.gov/Publications/index.asp or view them online at www.nass.usda.gov/Statistics_by_State/index.asp
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| Sources of Agricultural Information in USDA | | | |
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| USDA – ERS 1800 M Street, NW Washington, D.C. 20036-5831 | | 202-694-5050 FAX: 202-694-5638 | E-mail: InfoCenter@ers.usda.gov Internet: www.ers.usda.gov |
| USDA – WAOB Room 4426 South Building 1400 Independence Ave., SW, Stop 3812 Washington, D.C. 20250-3812 | | 202-720-5447 FAX: 202-690-3160 | E-mail: bchapin@oce.usda.gov Internet: www.usda.gov/oce/commodity |
| Small Farm Program: USDA – National Institute of Food & Agriculture 1400 Independence Ave., SW, Stop 2201 Washington, D.C. 20250-2201 | | 202-720-4423 FAX: 202-690-0289 | Internet: www.nifa.usda.gov/familysmallfarms.cfm |
| Farmer Direct Marketing Initiative: USDA – AMS – Transportation & Marketing Marketing Services Branch Room 2646 South Building 1400 Independence Ave., SW, Stop 0269 Washington, D.C. 20250-0269 | | 202-720-8317 FAX: 202-690-0031 | E-mail: Errol.Bragg@usda.gov Internet: www.ams.usda.gov/farmersmarkets |
| National Specialists are available to answer your questions by phone or E-mail. See these internet sites for telephone numbers and E-mail addresses: | | | |
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Title and Description

Release Date

CROPS

| | |
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| AVOCADOS: Annual summary of acreage, yield, production, farm price, and value | July |
| BANANAS: Annual summary of acreage, yield, production, farm price, and value | May |
| COFFEE: | |
| - Preliminary season estimates of acreage, yield, production, farm price, and value | February |
| - Final season estimates of acreage, yield, production, farm price, and value | August |
| GUAVAS: Annual summary of acreage, production, farm price, and value | June |
| MACADAMIA NUTS: | |
| - Preliminary season estimates of acreage, yield, production, farm price, and value | February |
| - Final season estimates of acreage, yield, production, farm price, and value | July |
| PAPAYA: Annual summary of acreage, yield, production, farm price, and value | July |
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| - Quarterly report of taro milled for poi..... | Jan., Apr., Jul., Oct. |
| - Annual summary of acreage, production, and farm prices for Chinese and wetland taro varieties | April |
| VEGETABLES: Annual summary of acreage, production, and value for all vegetables and melons..... | December |

FLORICULTURE AND NURSERY PRODUCTS

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| FLORICULTURE AND NURSERY PRODUCTS: Annual summary of acreage, production, and value | June |
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OTHER PUBLICATIONS

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| FARM REVENUE: Farm gate value of major commodities..... | January |
| STATISTICS OF HAWAII AGRICULTURE: Annual summary of the State's agricultural sector | January |

To order: Any of the above reports may be obtained by contacting the USDA, NASS, Hawaii Field Office, 1428 South King Street, Honolulu, HI 96814-2512, (808) 973-9588.

Most of our publications are available on the internet at: www.nass.usda.gov/Statistics_by_State/Hawaii/index.asp
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67-5189 Kamamalu Rd.
Kamuela, HI 96743
(808) 887-6183

Cooperative Extension Service
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Pearl City, HI 96782
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1955 E West Rd. Ag Science Bldg. 217
Honolulu, HI 96822
(808) 956-7138

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(808) 483-8600



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Hawaii Aquaculture and Aquaponics Association
47-215 Iuiu St.
Kaneohe, HI 96744
(808) 429-3147

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Hawaii Avocado Association
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(808) 329-9729

AWA (KAVA)

Association for Hawaiian Awa
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Awa Development Council
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Kona Coffee Farmers Association
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