



# Hawaii Macadamia Nuts

## Final Season Estimates

National  
Agricultural  
Statistics  
Service

July 13, 2009

In Cooperation with the Hawaii Department of Agriculture  
Hawaii Field Office · 1428 South King Street · Honolulu, HI 96814-2512 · 1-(800)-804-9514 · [www.nass.usda.gov](http://www.nass.usda.gov)

### 2008-09 Macadamia Nut Production and Price Increase

Utilized production from Hawaii's 2008-09 macadamia nut harvest is estimated at 50.0 million pounds (net, wet-in-shell basis) according to the USDA National Agricultural Statistics Service, Hawaii Field Office. The estimate for 2008-09 represents a 9.0 million pound or 22 percent increase from last season.

#### Season Overview

Timely showers and an increased demand for in-shell nuts contributed to this season's higher output. Processors noted some improvement in the quality of nuts delivered this season. On the other hand, growers did report the prolonged dry conditions, pests, pigs, and volcanic haze adversely affected orchards and harvesting. Others mentioned it was economically unfeasible to pick their crop and may switch to other commodities or temporarily stop farming.

#### Harvested Acreage Unchanged, Yields Up

For the 2008-09 season, growers harvested an estimated 15,000 acres and remained unchanged for the past three seasons. Statewide, there were 17,000 acres in crop and an estimated 1.2 million macadamia nut trees.

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**MACADAMIA NUTS: Number of farms, acreage, yield, production, moisture, price, and value, State of Hawaii, 2004-2008 crop years**

| Crop year <sup>1</sup> | Farms      | Acreage     |               | Yield per acre <sup>2</sup> | Utilized Production <sup>3</sup> |                  | Average moisture |                | Farm prices <sup>3</sup> |             | Farm value <sup>6</sup> |
|------------------------|------------|-------------|---------------|-----------------------------|----------------------------------|------------------|------------------|----------------|--------------------------|-------------|-------------------------|
|                        |            | In crop     | Harvested     |                             | Gross                            | Net <sup>4</sup> | Entire crop      | Purchases only | Gross <sup>5</sup>       | Net         |                         |
|                        | Number     | Acres       |               |                             | 1,000 pounds                     |                  | Percent          |                | Cents per pound          |             | 1,000 dollars           |
| 2004-05                | 650        | 18,0        | 17,800        | 3.2                         | 63,000                           | 56,500           | 20.7             | 21.0           | 65.5                     | 73.0        | 41,245                  |
| 2005-06                | 650        | 18,3        | 18,000        | 3.0                         | 62,000                           | 54,000           | 20.7             | 20.4           | 70.5                     | 81.0        | 43,740                  |
| 2006-07                | 570        | 17,0        | 15,000        | 3.9                         | 65,000                           | 58,000           | 21.2             | 22.1           | 59.8                     | 67.0        | 38,860                  |
| 2007-08                | 525        | 17,0        | 15,000        | 2.7                         | 48,000                           | 41,000           | 21.3             | 21.5           | 51.3                     | 60.0        | 24,600                  |
| <b>2008-09</b>         | <b>570</b> | <b>17,0</b> | <b>15,000</b> | <b>3.3</b>                  | <b>60,000</b>                    | <b>50,000</b>    | <b>20.5</b>      | <b>21.4</b>    | <b>55.8</b>              | <b>67.0</b> | <b>33,500</b>           |

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

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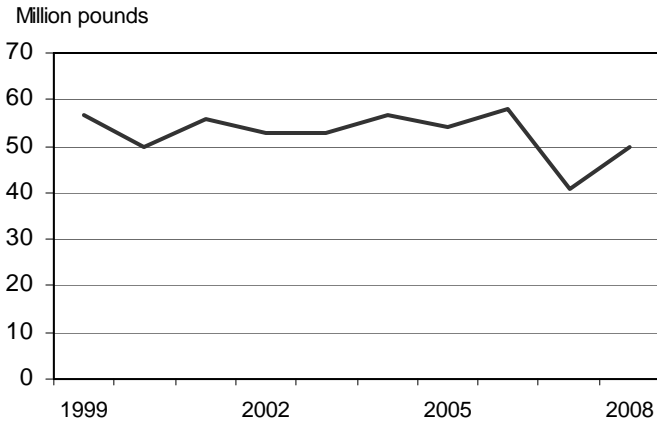
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# MORE ON THE 2008-09 SEASON

Yields averaged 3,330 pounds per acre (net, wet-in-shell basis) for the 2008-09 season, or 600 pounds more per acre than the previous season. Average moisture content for this season's entire crop was 20.5 percent compared with 21.3 percent for the 2007-08 crop.

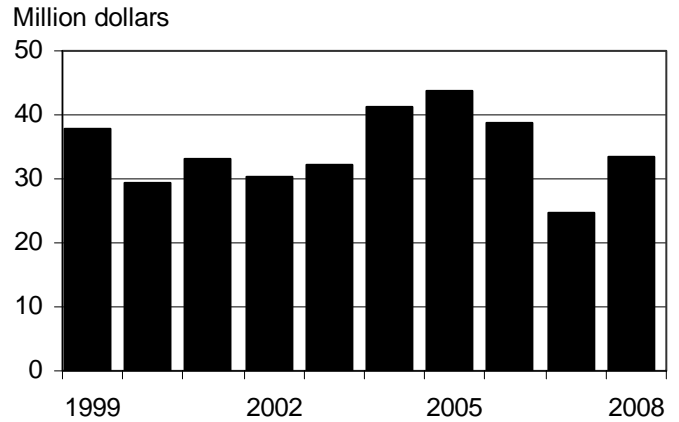
**MACADAMIA NUTS: Utilized Production**  
(Net, wet in-shell basis)  
State of Hawaii, 1999-2008 Seasons



## Farm Value Increases

The farm price for macadamia nuts averaged 67.0 cents per pound (net, wet-in-shell basis) for 2008-09 season, up 7.0 cents from the 2007-08 average. Farm value is estimated at \$33.5 million (net, wet-in-shell basis) for this crop season, a 36 percent increase from last season due to a larger harvest and higher farm price.

**MACADAMIA NUTS: Farm Value**  
(Net, wet in-shell basis)  
State of Hawaii, 1999-2008 Seasons

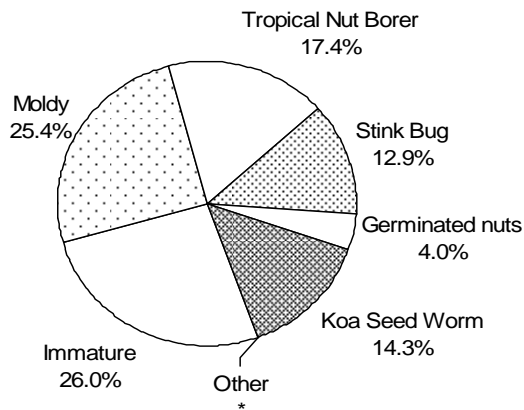


## Crop Losses Higher

Growers delivered an estimated 60.0 million pounds of macadamia nuts, wet-in-shell, to processors during the 2008-09 season. About 17 percent of the harvest was culled, resulting in 50.0 million pounds net, wet in-shell. The equivalent gross weight of losses, after adjusting for what would be the expected weight before the damage, was 15.8 million pounds.

Losses from immature and moldy, rotten nuts accounted for more than half of the losses. Damage from insects, Tropical Nut Borer, Koa Seed Worm, and Stink Bug, was another cause being reported. This season nuts were being left on the ground longer than usual. Macadamia nut losses shown in this report include only those culled by processors and do not include losses that occurred at the farm before delivery.

**MACADAMIA NUTS: Loss By Cause State of Hawaii, 2008-09 Season**



\* = less than .1 percent.

**Table 2. MACADAMIA NUTS: Loss by cause, State of Hawaii, 2007-08 and 2008-09**

| Type of loss               | Estimated loss <sup>1</sup> |               | Percent of losses   |              | Percent of delivered crop |             |
|----------------------------|-----------------------------|---------------|---------------------|--------------|---------------------------|-------------|
|                            | 2007-08                     | 2008-09       | 2007-08             | 2008-09      | 2007-08                   | 2008-09     |
|                            | ----- 1,000 pounds -----    |               | ----- Percent ----- |              |                           |             |
| Immature nuts <sup>2</sup> | 4,000                       | 4,115         | 37.4                | 26.0         | 8.4                       | 6.9         |
| Moldy, rotten              | 1,880                       | 4,020         | 17.6                | 25.4         | 3.9                       | 6.7         |
| Tropical nut borer         | 580                         | 2,740         | 5.4                 | 17.4         | 1.2                       | 4.6         |
| Koa seed worm              | 1,975                       | 2,260         | 18.5                | 14.3         | 4.1                       | 3.8         |
| Stink bug                  | 1,140                       | 2,040         | 10.7                | 12.9         | 2.4                       | 3.4         |
| Germinated nuts            | 755                         | 630           | 7.1                 | 4.0          | 1.6                       | 1.0         |
| Other causes               | 350                         | 5             | 3.3                 | *            | .7                        | *           |
| <b>Total</b>               | <b>10,680</b>               | <b>15,810</b> | <b>100.0</b>        | <b>100.0</b> | <b>22.3</b>               | <b>26.4</b> |

\* = less than .1 percent.

<sup>1</sup> Includes only losses for nuts completely rejected for processing. Does not include nuts with some damage but still utilized. Adjustments were made to reported weights to account for damage that would lower kernel weights and have the effect of underestimating the actual amount of loss. The adjustment factors were provided by Dr. H. C. Bittenbender and Dr. Vince Jones, CTAHR, University of Hawaii and were applied to both crop years. Excludes losses in the field or culled before delivery.

<sup>2</sup> Includes naturally occurring premature drop.

# HISTORICAL DATA

**Table 3. MACADAMIA NUTS: Acreage, yield, production, price, and value, State of Hawaii, 1946-08**

| Crop year <sup>1</sup> | Acreage           |           | Yield per acre <sup>2</sup> | Production <sup>3</sup> |                             | Farm Price <sup>3</sup> |               | Farm value <sup>6</sup> |
|------------------------|-------------------|-----------|-----------------------------|-------------------------|-----------------------------|-------------------------|---------------|-------------------------|
|                        | In crop           | Harvested |                             | Gross                   | Net <sup>4</sup>            | Gross <sup>5</sup>      | Net           |                         |
|                        | ----- Acres ----- |           | ----- 1,000 pounds -----    |                         | ----- Cents per pound ----- |                         | 1,000 dollars |                         |
| 1946-47                | 950               | 860       | .7                          | NA                      | 630                         | NA                      | 15.2          | 96                      |
| 1947-48                | 1,340             | 860       | .8                          | NA                      | 680                         | NA                      | 16.9          | 115                     |
| 1948-49                | 1,530             | 860       | .8                          | NA                      | 700                         | NA                      | 17.0          | 119                     |
| 1949-50                | 1,710             | 860       | .8                          | NA                      | 680                         | NA                      | 16.9          | 115                     |
| 1950-51                | 2,150             | 860       | .9                          | NA                      | 755                         | NA                      | 17.0          | 128                     |
| 1951-52                | 2,300             | 840       | 1.0                         | NA                      | 850                         | NA                      | 16.9          | 144                     |
| 1952-53                | 2,770             | 840       | 1.1                         | NA                      | 965                         | NA                      | 17.1          | 165                     |
| 1953-54                | 2,900             | 830       | 1.2                         | NA                      | 970                         | NA                      | 17.0          | 165                     |
| 1954-55                | 3,030             | 1,080     | .9                          | NA                      | 930                         | NA                      | 17.1          | 159                     |
| 1955-56                | 3,030             | 1,300     | .7                          | NA                      | 903                         | NA                      | 17.9          | 162                     |
| 1956-57                | 3,200             | 1,470     | .7                          | NA                      | 1,027                       | NA                      | 18.4          | 189                     |
| 1957-58                | 3,120             | 1,680     | .8                          | NA                      | 1,329                       | NA                      | 18.7          | 248                     |
| 1958-59                | 3,290             | 1,750     | 1.0                         | NA                      | 1,832                       | NA                      | 18.5          | 339                     |
| 1959-60                | 3,840             | 2,220     | 1.0                         | NA                      | 2,102                       | NA                      | 18.2          | 382                     |
| 1960-61                | 3,820             | 2,300     | 1.1                         | NA                      | 2,569                       | NA                      | 18.4          | 472                     |
| 1961-62                | 3,880             | 2,430     | 1.6                         | NA                      | 3,751                       | NA                      | 18.5          | 693                     |
| 1962-63                | 4,100             | 2,460     | 2.1                         | NA                      | 5,182                       | NA                      | 18.4          | 954                     |
| 1963-64                | 4,110             | 2,390     | 2.5                         | NA                      | 6,003                       | NA                      | 17.7          | 1,061                   |
| 1964-65                | 4,510             | 2,520     | 3.1                         | NA                      | 7,639                       | NA                      | 15.6          | 1,192                   |
| 1965-66                | 5,410             | 2,780     | 3.1                         | NA                      | 8,522                       | NA                      | 19.4          | 1,651                   |
| 1966-67                | 6,700             | 2,950     | 3.0                         | NA                      | 8,715                       | NA                      | 21.0          | 1,830                   |
| 1967-68                | 7,980             | 3,340     | 2.4                         | NA                      | 7,966                       | NA                      | 24.6          | 1,960                   |
| 1968-69                | 8,520             | 3,680     | 2.8                         | NA                      | 10,436                      | NA                      | 22.8          | 2,379                   |
| 1969-70                | 8,690             | 4,030     | 2.5                         | NA                      | 10,049                      | NA                      | 24.6          | 2,472                   |
| 1970-71                | 8,735             | 4,115     | 3.2                         | NA                      | 13,216                      | NA                      | 21.7          | 2,868                   |
| 1971-72                | 9,170             | 4,900     | 2.9                         | NA                      | 14,448                      | NA                      | 24.7          | 3,569                   |
| 1972-73                | 9,250             | 5,000     | 2.6                         | NA                      | 13,110                      | NA                      | 23.3          | 3,055                   |
| 1973-74                | 10,450            | 5,080     | 2.4                         | NA                      | 12,124                      | NA                      | 25.5          | 3,092                   |
| 1974-75                | 9,890             | 5,760     | 2.8                         | NA                      | 16,370                      | NA                      | 32.0          | 5,238                   |
| 1975-76                | 10,400            | 6,080     | 3.0                         | NA                      | 18,210                      | NA                      | 31.6          | 5,754                   |
| 1976-77                | 10,250            | 6,300     | 3.0                         | NA                      | 18,990                      | NA                      | 36.9          | 7,007                   |
| 1977-78                | 9,895             | 6,300     | 3.1                         | NA                      | 19,680                      | NA                      | 40.8          | 8,030                   |
| 1978-79                | 10,200            | 9,200     | 2.3                         | NA                      | 20,980                      | NA                      | 53.8          | 11,287                  |
| 1979-80                | 11,400            | 9,600     | 2.8                         | NA                      | 26,660                      | NA                      | 62.9          | 16,769                  |
| 1980-81                | 13,300            | 10,000    | 3.3                         | NA                      | 33,390                      | NA                      | 72.4          | 24,174                  |
| 1981-82                | 14,000            | 10,000    | 3.3                         | NA                      | 33,360                      | NA                      | 79.3          | 26,454                  |
| 1982-83                | 15,600            | 10,200    | 3.6                         | NA                      | 36,720                      | NA                      | 73.9          | 27,136                  |
| 1983-84                | 16,400            | 10,600    | 3.4                         | 38,500                  | 36,420                      | 62.2                    | 65.7          | 23,928                  |
| 1984-85                | 17,500            | 12,000    | 3.1                         | 40,500                  | 37,700                      | 64.4                    | 69.2          | 26,088                  |
| 1985-86                | 20,900            | 13,500    | 3.1                         | 44,700                  | 42,000                      | 68.1                    | 72.5          | 30,450                  |
| 1986-87                | 21,200            | 14,400    | 3.1                         | 46,600                  | 44,000                      | 75.5                    | 80.0          | 35,200                  |
| 1987-88                | 21,500            | 15,600    | 2.7                         | 45,600                  | 42,700                      | 78.7                    | 84.0          | 35,868                  |
| 1988-89                | 21,900            | 16,600    | 2.7                         | 49,000                  | 45,500                      | 83.6                    | 90.0          | 40,950                  |
| 1989-90                | 22,300            | 18,200    | 2.8                         | 54,000                  | 50,500                      | 83.2                    | 89.0          | 44,945                  |

See footnotes at end of table

Continued

# HISTORICAL DATA CONTINUED

**Table 3. MACADAMIA NUTS: Acreage yield, production, price, and value, State of Hawaii -- Continued**

| Crop year <sup>1</sup> | Acreage           |               | Yield per acre <sup>2</sup> | Production <sup>3</sup> |                             | Farm Price <sup>3</sup> |               | Farm Value <sup>6</sup> |
|------------------------|-------------------|---------------|-----------------------------|-------------------------|-----------------------------|-------------------------|---------------|-------------------------|
|                        | In crop           | Harvested     |                             | Gross                   | Net <sup>4</sup>            | Gross <sup>5</sup>      | Net           |                         |
|                        | ----- Acres ----- |               | ----- 1,000 pounds -----    |                         | ----- Cents per pound ----- |                         | 1,000 dollars |                         |
| 1990-91                | 22,600            | 18,400        | 2.7                         | 54,300                  | 50,000                      | 75.5                    | 82.0          | 41,000                  |
| 1991-92                | 22,500            | 18,200        | 2.7                         | 53,900                  | 49,500                      | 64.3                    | 70.0          | 34,650                  |
| 1992-93                | 20,500            | 17,500        | 2.7                         | 53,000                  | 48,000                      | 61.6                    | 68.0          | 32,640                  |
| 1993-94                | 20,100            | 18,500        | 2.6                         | 53,000                  | 48,500                      | 62.2                    | 68.0          | 32,980                  |
| 1994-95                | 20,200            | 18,500        | 2.8                         | 58,000                  | 52,500                      | 62.5                    | 69.0          | 36,225                  |
| 1995-96                | 20,300            | 19,300        | 2.6                         | 57,000                  | 51,000                      | 66.2                    | 74.0          | 37,740                  |
| 1996-97                | 20,200            | 19,200        | 2.9                         | 63,000                  | 56,500                      | 70.0                    | 78.0          | 44,070                  |
| 1997-98                | 20,200            | 19,200        | 3.0                         | 65,000                  | 58,000                      | 66.9                    | 75.0          | 43,500                  |
| 1998-99                | 20,200            | 19,200        | 3.0                         | 66,000                  | 57,500                      | 57.0                    | 65.0          | 37,375                  |
| 1999-00                | 19,900            | 18,900        | 3.0                         | 64,000                  | 56,500                      | 59.1                    | 67.0          | 37,855                  |
| 2000-01                | 18,400            | 17,700        | 2.8                         | 56,000                  | 50,000                      | 52.7                    | 59.0          | 29,500                  |
| 2001-02                | 18,000            | 17,800        | 3.1                         | 62,000                  | 56,000                      | 53.3                    | 59.0          | 33,040                  |
| 2002-03                | 18,000            | 17,800        | 3.0                         | 60,000                  | 53,000                      | 50.4                    | 57.0          | 30,210                  |
| 2003-04                | 18,000            | 17,800        | 3.0                         | 60,000                  | 53,000                      | 53.9                    | 61.0          | 32,330                  |
| 2004-05                | 18,000            | 17,800        | 3.2                         | 63,000                  | 56,500                      | 65.5                    | 73.0          | 41,245                  |
| 2005-06                | 18,300            | 18,000        | 3.0                         | 62,000                  | 54,000                      | 70.5                    | 81.0          | 43,740                  |
| 2006-07                | 17,000            | 15,000        | 3.9                         | 65,000                  | 58,000                      | 59.8                    | 67.0          | 38,860                  |
| 2007-08                | 17,000            | 15,000        | 2.7                         | 48,000                  | 41,000                      | 51.3                    | 60.0          | 24,600                  |
| <b>2008-09</b>         | <b>17,000</b>     | <b>15,000</b> | <b>3.3</b>                  | <b>60,000</b>           | <b>50,000</b>               | <b>55.8</b>             | <b>67.0</b>   | <b>33,500</b>           |

<sup>1</sup> Season begins July 1<sup>st</sup> and ends June 30<sup>th</sup> of the following year.

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

<sup>3</sup> Wet in-shell basis.

<sup>4</sup> Gross pounds less total spoilage.

<sup>5</sup> Farm value divided by gross production.

<sup>6</sup> Net production multiplied by net farm price.

## U.S. TREE NUT REPORT

### U.S. Tree Nut Production Up 7 Percent, Value Down 14 Percent

U.S. tree nut production for crop year 2008 is 2.14 million tons (in-shell basis), 7 percent above a year earlier. Almond crop production, at 1.41 million tons is up 16 percent from 2007. Walnut production in 2008, at 436,000 tons, is up 33 percent from the previous year. Pistachio production, at 139,000 tons is 33 percent less than 2007. Pecan production in 2008 totals 96,900 tons, a 50 percent decrease from 2007. The hazelnut crop, at 32,000 tons, is 14 percent smaller than the previous year. Macadamia nut production is 25,000 tons, up 22 percent.

Value of U.S. utilized nut production in 2008 is 3.69 billion dollars, down 14 percent from the 2007 value. The 2008 utilized almond crop is

valued at 2.26 billion dollars, 6 percent less than the previous year. Pistachio utilized crop value for 2008, at 550 million dollars, is 6 percent less than 2007. The value of the 2008 utilized pecan crop decreased 40 percent to 260 million dollars. Hazelnut utilized crop value, at 51.8 million dollars, is 31 percent below last year. The 2008 utilized macadamia nut crop is valued at 33.5 million dollars, up 36 percent from 2007. The value of utilized walnut production is 528 million dollars, down 30 percent from 2007.

For the complete report see:

<http://www.usda.gov/nass/PUBS/TODAYRPT/ncit0709.pdf>

# U.S IMPORTS

**Table 4. U.S. Macadamia nut imports, by type, 2008**

| Port of entry  | Type   |                     |  |                     |   |                     |                    |                     |
|----------------|--|---------------------|--|---------------------|---|---------------------|--------------------|---------------------|
|                | Shelled or blanched <sup>1</sup><br>Harmonized number:<br>0802.60.8000 |                     | Pickled or otherwise<br>prepared or preserved<br>Harmonized number: 2008.19.9010 |                     | Not shelled <sup>2</sup><br>Harmonized number: 0802.60.4000 |                     | Total              |                     |
|                | Quantity   | Custom value        | Quantity   | Custom value        | Quantity  | Custom value        | Quantity           | Custom value        |
|                | <i>Metric tons</i>   | <i>U.S. dollars</i> | <i>Metric tons</i>   | <i>U.S. dollars</i> | <i>Metric tons</i>  | <i>U.S. dollars</i> | <i>Metric tons</i> | <i>U.S. Dollars</i> |
| Baltimore      | 72   | 265,494             | 159  | 875,673             |   |                     | 231                | 1,141,167           |
| Buffalo        | 7  | 34,500              |  |                     |   |                     | 7                  | 34,500              |
| Charleston     | 27   | 108,420             |  |                     |   |                     | 27                 | 108,420             |
| Chicago        | 110  | 627,170             | 51   | 157,550             |   |                     | 161                | 784,720             |
| Columbia-Snake | 158  | 1,036,506           |  |                     |   |                     | 158                | 1,036,506           |
| Detroit        | 7  | 43,313              |  |                     |   |                     | 7                  | 43,313              |
| El Paso        | 14   | 81,000              |  |                     |   |                     | 14                 | 81,000              |
| Honolulu       | 28   | 228,713             |  |                     |   |                     | 28                 | 228,713             |
| Houston        | 1,188  | 6,565,305           | 14   | 49,500              |   |                     | 1,202              | 6,614,805           |
| Laredo         | 7  | 62,102              |  |                     |   |                     | 7                  | 62,102              |
| Los Angeles    | 1,751  | 14,803,483          | 225  | 2,180,359           | 16  | 108,086             | 1,992              | 17,091,928          |
| Miami          |  |                     |  |                     | *   | 2,093               | *                  | 2,093               |
| New York City  | 1,299  | 8,443,821           | 2  | 15,549              | 22  | 104,799             | 1,323              | 8,564,169           |
| Norfolk        | 460  | 2,868,995           |  |                     |   |                     | 460                | 2,868,995           |
| Pembina        | 23   | 153,510             |  |                     |   |                     | 23                 | 153,510             |
| Philadelphia   | 207  | 1,397,979           |  |                     |   |                     | 207                | 1,397,979           |
| San Francisco  | 561  | 3,021,827           | 45   | 358,686             | 7   | 16,129              | 613                | 3,396,642           |
| San Juan       |  |                     | 7  | 28,063              |   |                     | 7                  | 28,063              |
| Savannah       | 649  | 4,217,083           |  |                     |   |                     | 649                | 4,217,083           |
| Seattle        | 221  | 1,454,354           | *  | 3,800               |   |                     | 221                | 1,458,154           |
| St. Louis      |  |                     | *  | 6,837               |   |                     |                    | 6,837               |
| <b>Total</b>   | <b>6,789</b>   | <b>45,413,575</b>   | <b>503</b>   | <b>3,676,017</b>    | <b>45</b>   | <b>231,107</b>      | <b>7,337</b>       | <b>49,320,699</b>   |

\* = Less than 1 metric ton.

The conversion for 1 metric ton = 2,204.6 pounds.

<sup>1</sup> Beginning 2007, harmonized number 0802.90.9810 was changed to 0802.60.8000.

<sup>2</sup> Beginning 2007, harmonized number 0802.90.8010 was changed to 0802.60.4000.

Source: U.S. Department of Commerce.

**Table 5. International macadamia nut imports by type, 2008**

| Country of origin | Type  |                     |   |                     |   |                     |                    |                     |
|-------------------|---|---------------------|---|---------------------|---|---------------------|--------------------|---------------------|
|                   | Shelled or blanched <sup>1</sup><br>Harmonized number: 0802.60.8000 |                     | Pickled or otherwise prepared or preserved<br>Harmonized number: 2008.19.9010 |                     | Not shelled <sup>2</sup><br>Harmonized number: 0802.60.4000 |                     | Total              |                     |
|                   | Quantity  | Custom value        | Quantity  | Custom value        | Quantity  | Custom value        | Quantity           | Custom value        |
|                   | <i>Metric tons</i>  | <i>U.S. dollars</i> | <i>Metric tons</i>  | <i>U.S. dollars</i> | <i>Metric tons</i>  | <i>U.S. dollars</i> | <i>Metric tons</i> | <i>U.S. dollars</i> |
| Australia         | 1,820   | 12,354,252          | 273   | 2,144,666           |   |                     | 2,093              | 14,498,918          |
| Bolivia           | 29  | 166,294             |   |                     |   |                     | 29                 | 166,294             |
| Brazil            | 204   | 1,213,924           |   |                     |   |                     | 204                | 1,213,924           |
| Canada            | 3   | 35,647              | *   | 3,800               |   |                     | 3                  | 39,447              |
| China             | 208   | 931,281             |   |                     | 7   | 16,129              | 215                | 947,410             |
| Colombia          |   |                     | 7   | 34,900              |   |                     | 7                  | 34,900              |
| Costa Rica        | 30  | 182,212             |   |                     | *   | 2,093               | 30                 | 184,305             |
| Guatemala         | 743   | 7,989,844           |   |                     | 6   | 38,263              | 749                | 8,028,107           |
| Hong Kong         | 442   | 3,429,057           |   |                     |   |                     | 442                | 3,429,057           |
| Kenya             | 749   | 4,178,190           | 42  | 296,500             | 14  | 63,000              | 805                | 4,537,690           |
| Malawi            | 509   | 3,137,144           |   |                     |   |                     | 509                | 3,137,144           |
| Mexico            | 7   | 62,102              |   |                     |   |                     | 7                  | 62,102              |
| Mozambique        | 31  | 129,118             |   |                     |   |                     | 31                 | 129,118             |
| South Africa      | 1,990   | 11,373,935          | 159   | 875,673             | 18  | 111,622             | 2,167              | 12,361,230          |
| Thailand          |   |                     | 22  | 320,478             |   |                     | 22                 | 320,478             |
| Vietnam           | 24  | 230,575             |   |                     |   |                     | 24                 | 230,575             |
| <b>Total</b>      | <b>6,789</b>  | <b>45,413,575</b>   | <b>503</b>  | <b>3,676,017</b>    | <b>45</b>   | <b>231,107</b>      | <b>7,337</b>       | <b>49,320,699</b>   |

\* = Less than 1 metric ton.

The conversion for 1 metric ton = 2,204.6 pounds.

<sup>1</sup> Beginning 2007, harmonized number 0802.90.9810 was changed to 0802.60.8000.

<sup>2</sup> Beginning 2007, harmonized number 0802.90.8010 was changed to 0802.60.4000.

Source: U.S. Department of Commerce.

**Table 6. U.S Macadamia nut imports, by type, 1999-2008**

| Year        | Type                |  |             |
|-------------|---------------------|--|-------------|
|             | Shelled or blanched | Pickled or otherwise prepared or preserved | Not shelled |
|             | <i>Metric tons</i>  |  |             |
| 1999        | 4,730               | 109  | 109         |
| 2000        | 5,546               | 195  | 114         |
| 2001        | 5,048               | 126  | 90          |
| 2002        | 4,256               | 59   | 162         |
| 2003        | 6,212               | 53   | 204         |
| 2004        | 8,108               | 163  | 338         |
| 2005        | 7,575               | 124  | 406         |
| 2006        | 6,345               | 282  | 127         |
| 2007        | 6,656               | 311  | 49          |
| <b>2008</b> | <b>6,789</b>        | <b>503</b>                                 | <b>45</b>   |

Source: U.S. Department of Commerce.

# U.S. EXPORTS

**Table 7. U.S Macadamia nut exports, by country of destination, 2007-2008**  
**Harmonized number: 2008.19.9010**

| Country of destination  | 2007               |                     | 2008               |                     |
|-------------------------|--------------------|---------------------|--------------------|---------------------|
|                         | Quantity           | F.A.S. value        | Quantity           | F.A.S. value        |
|                         | <i>Metric tons</i> | <i>U.S. dollars</i> | <i>Metric tons</i> | <i>U.S. dollars</i> |
| Belgium                 | 2                  | 20,180              | 2                  | 24,375              |
| Canada                  | 135                | 983,252             | 502                | 3,468,350           |
| China                   | 44                 | 561,187             | 30                 | 387,148             |
| Costa Rica              | 1                  | 6,995               | 1                  | 8,560               |
| Cote d'Ivoire           |                    |                     | 4                  | 76,576              |
| Ecuador                 |                    |                     | *                  | 2,542               |
| Fed Rep of Germany      | 2                  | 20,496              | *                  | 3,900               |
| France                  | 49                 | 473,635             | 46                 | 456,468             |
| Georgia                 |                    |                     | 1                  | 10,248              |
| Hong Kong               | 44                 | 437,671             | 65                 | 667,145             |
| Japan                   | 207                | 2,298,521           | 180                | 2,461,019           |
| Kenya                   |                    |                     | *                  | 2,655               |
| Korea, South            | 63                 | 780,880             | 46                 | 593,943             |
| Mexico                  | 24                 | 243,881             | 87                 | 817,900             |
| Panama                  | 1                  | 6,529               | 2                  | 13,844              |
| Republic of Philippines | 10                 | 158,475             | 9                  | 122,750             |
| Singapore               | 8                  | 106,306             | 9                  | 131,355             |
| Switzerland             | 3                  | 29,765              |                    |                     |
| Taiwan                  | 74                 | 1,073,930           | 100                | 1,397,322           |
| Thailand                | 12                 | 132,837             | 5                  | 72,714              |
| United Kingdom          | 3                  | 30,933              |                    |                     |
| Zimbabwe                | 1                  | 7,419               |                    |                     |
| <b>Total</b>            | <b>683</b>         | <b>7,372,892</b>    | <b>1,089</b>       | <b>10,718,814</b>   |

\* = less than 1 metric ton.

F.A.S. = Free Along Side.

Source: U.S. Department of Commerce.