

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

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.

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Season Overview

Timely showers and an increased demand for inshell 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.

Continued on page 2

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

		Ac	reage	Yield	Utilized Pro	oduction 3	Averaç	ge moisture	Farm p	rices 3	Farm
Crop year ¹ Farms	In crop	Harvested	per acre ²	Gross	Net ⁴	Entire crop	Purchases only	Gross ⁵	Net	value ⁶	
	Number	A	cres		1,000 pound	s	F	Percent	Cents pe	r pound	1,000 dollars
2004-05	650	18,000	17,800	3.2	63,000	56,500	20.7	21.0	65.5	73.0	41,245
2005-06	650	18,300	18,000	3.0	62,000	54,000	20.7	20.4	70.5	81.0	43,740
2006-07	570	17,000	15,000	3.9	65,000	58,000	21.2	22.1	59.8	67.0	38,860
2007-08	525	17,000	15,000	2.7	48,000	41,000	21.3	21.5	51.3	60.0	24,600
2008-09	570	17,000	15,000	3.3	60,000	50,000	20.5	21.4	55.8	67.0	33,500

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.

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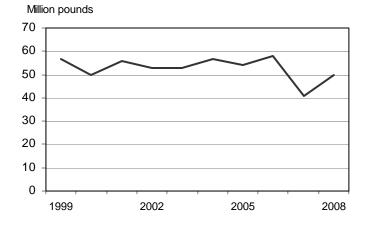
NASDA ENUMERATORS

MORE ON THE 2008-09 SEASON

Yields averaged 3,330 pounds per acre (net, wet-inshell 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

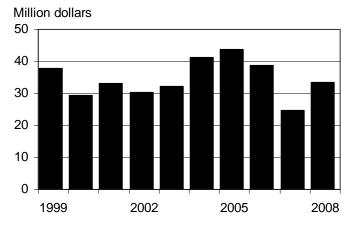


Farm Value Increases

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

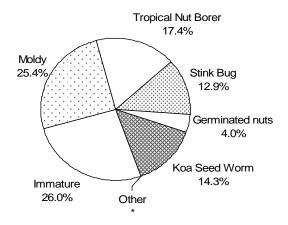


Crop Losses Higher

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

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Type of loss		mated ss ¹		ent of sses	Percent of delivered crop	
	2007-08	2008-09	2007-08	2008-09	2007-08	2008-09
	1,000	pounds		Per	cent	
Immature nuts ²	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	*
Total	10,680	15,810	100.0	100.0	22.3	26.4

^{* =} less than .1 percent.

¹ 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.

² Includes naturally occurring premature drop.

Table 3. MACADAMIA NUTS:	Acreage, yield, production	, price, and value, 🤄	State of Hawaii, 1946-08
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In crop Harvested acre Gross Net Gross Net Value Net Net	2 1	Ac	reage	Yield per	Produ	iction ³	Farm	Price ³	Farm
1,000 pounds	Crop year 1					Net ⁴			
1946-47 950 860 .7		•	·						1 000
1947-48 1,340 860 .8 NA 680 NA 16.9 115 1948-49 1,530 860 .8 NA 700 NA 17.0 119 1950-51 2,150 860 .9 NA 755 NA 17.0 128 1951-52 2,200 840 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 1953-55 3,030 1,300 .7 NA 930 NA 17.1 159 1955-56 3,030 1,300 .7 NA 930 NA 17.1 159 1956-57 3,200 1,470 .7 NA 1,027 NA 18.4 189 1957-58 3,120 1,750 1.0 NA		A	cres		1,000 pounds -		Cents p	er pound	
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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									
1977-78 9,895 6,300 3.1 NA 19,680 NA 40.8 8,030									
						· ·			
10/8-/0 10 700 0 700 7 3 NA 70 NA KA KA KA 11 70/						· ·			
	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									
<u>1989-90 22,300 18,200</u> 2.8 54,000 50,500 83.2 89.0 44,945	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

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

Crop year 1	1 Acreage		Yield per	Produ	ction ³	Farm Price ³		Farm
Crop year	In crop	Harvested	acre 2	Gross	Net ⁴	Gross ⁵	Net	Value ⁶
								1,000
	A	cres		1,000 pounds -		Cents pe	er pound	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
2008-09	17,000	15,000	3.3	60,000	50,000	55.8	67.0	33,500

Season begins July 1st and ends June 30th of the following year.

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 Hazelnut utilized crop value, at dollars. 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 The value of utilized walnut from 2007. million production is 528 dollars. 30 percent from 2007.

For the complete report see:

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

² Net production divided by acreage harvested.

³Wet in-shell basis.

⁴ Gross pounds less total spoilage.

⁵ Farm value divided by gross production.

⁶ Net production multiplied by net farm price.

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

	Type									
Port of entry	Shelled or blanched ¹ Harmonized number: 0802.60.8000		Pickled or otherwise prepared or preserved Harmonized number: 2008.19.9010		Not shelled ² Harmonized number: 0802.60.4000		Total			
	Quantity	Custom value	Quantity	Custom value	Quantity	Custom value	Quantity	Custom value		
	Metric tons	U.S. dollars	Metric tons	U.S. dollars	Metric tons	U.S. dollars	Metric tons	U.S. Dollars		
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		
Total	6,789	45,413,575	503	3,676,017	45	231,107	7,337	49,320,699		

^{* =} Less than 1 metric ton.

The conversion for 1 metric ton:

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

Beginning 2007, harmonized number 0802.90.9810 was changed to 0802.60.8000.

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

			Type						
Country of origin	Shelled or blanched ¹ Harmonized number: 0802.60.8000		Pickled or otherwise prepared or preserved Harmonized number: 2008.19.9010		Not shelled ²		Total		
	Quantity	Custom value	Quantity	Custom value	Quantity	Custom value	Quantity	Custom value	
	Metric tons	U.S. dollars	Metric tons	U.S. dollars	Metric tons	U.S. dollars	Metric tons	U.S. dollars	
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	
Total	6,789	45,413,575	503	3,676,017	45	231,107	7,337	49,320,699	

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

		Туре							
Year	Shelled or blanched	Shelled or blanched Pickled or otherwise prepared or preserved							
	Metric tons								
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						
2008	6,789	503	45						

Source: U.S. Department of Commerce.

^{* =} Less than 1 metric ton. The conversion for 1 metric ton = 2,204.6 pounds.

¹ Beginning 2007, harmonized number 0802.90.9810 was changed to 0802.60.8000. ² Beginning 2007, harmonized number 0802.90.8010 was changed to 0802.60.4000.

Source: U.S. Department of Commerce.

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

Country of doctination	2	007	2008			
Country of destination -	Quantity	F.A.S. value	Quantity	F.A.S. value		
	Metric tons	U.S. dollars	Metric tons	U.S. dollars		
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		
Equador			*	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				
Total	683	7,372,892	1,089	10,718,814		

* = less than 1 metric ton.
F.A.S. = Free Along Side.
Source: U.S. Department of Commerce.