

HAWAII PAPAYAS

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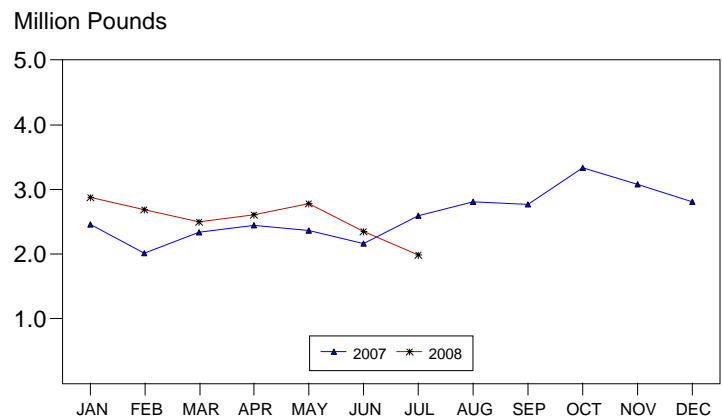
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JULY FRESH PAPAYA DOWN FROM JUNE

Hawaii fresh papaya utilization is estimated at 2.0 million pounds for July 2008, down 15 percent from June 2008 and 23 percent lower than a year ago. January to July output for this year totaled 17.8 million pounds, up 9 percent from the comparable period last year.

Orchards received mainly sunny weather and light showers in July. The continuous dry weather had affected orchards in areas depending on natural rainfall with sporadic flowering, gaps in the columns, and a smaller harvest. Control of weed and pests were ongoing. The high cost of inputs and transportation continued to put a strain on growers with smaller acreage.

PAPAYA: Fresh Utilization, State of Hawaii, 2007-2008¹



¹ Data are preliminary for 2008.

Papaya growers are expected to receive an estimated 52.0 cents per pound for fresh fruit in July, 2 percent (1.0 cent) higher than June and 14 percent (6.2 cents) above a year ago.

FRESH PAPAYA UTILIZATION, STATE OF HAWAII, 2008 WITH COMPARISONS¹

Month	Sales				Year ago	Year-to-date	
	Local ²	Intrastate	Out-of-State	Total fresh		2007	2008
	<i>1,000 pounds</i>						
June	272	958	1,120	2,350	2,170	13,805	15,830
July	296	774	925	1,995	2,590	16,395	17,825

¹ Data are preliminary for 2008.

² On island of production.

PAPAYA ACREAGE, STATE OF HAWAII, 2008 WITH COMPARISONS ¹

County	Total acreage in crop							
	March		June		September		December	
	2007	2008	2007	2008	2007	2008	2007	2008
Hawaii.....	1,895	1,820	1,710	1,840	1,905		1,865	
Honolulu/Kauai/Maui ²	185	200	195	200	200		190	
State.....	2,080	2,020	1,905	2,040	2,105		2,055	
	Total harvested acres ³							
Hawaii.....	1,175	1,300	1,075	1,200	1,240		1,135	
Honolulu/Kauai/Maui ²	120	125	125	130	135		120	
State.....	1,295	1,425	1,200	1,330	1,375		1,255	

¹ Data are preliminary for 2008.

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

³ Bearing acres where papayas were harvested.

FRESH PAPAYA FARM PRICE, STATE OF HAWAII, 2007-2008

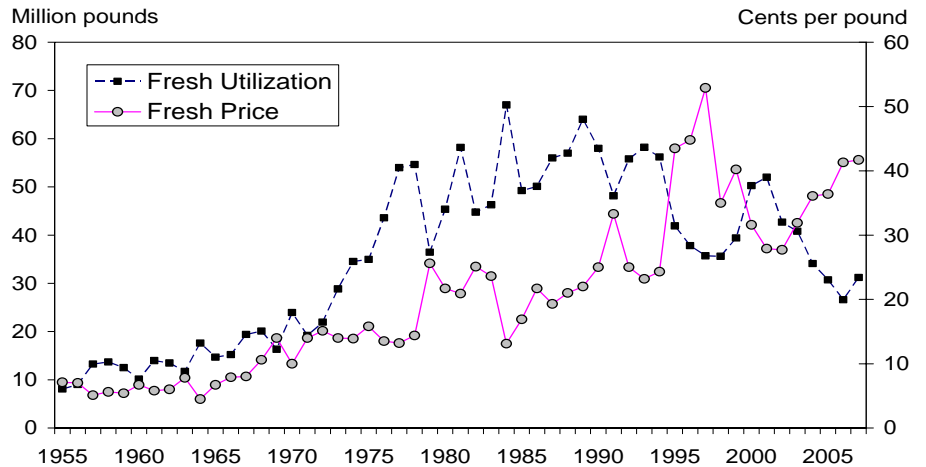
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Average
	<i>Cents per pound</i>												
2007	39.8	41.9	45.0	46.1	46.6	49.4	45.8	38.1	37.1	37.8	38.3	39.7	41.7
2008 ¹	41.0	43.0	50.0	51.0	53.0	51.0	52.0						

¹ Data are preliminary for 2008.

2007 Papaya Output Higher

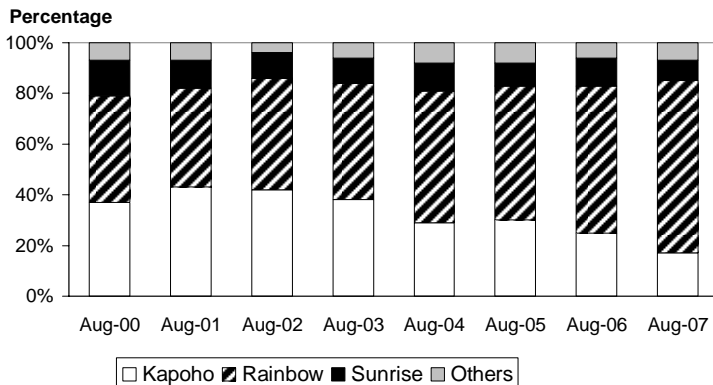
In 2007, papaya output totaled 33.4 million pounds, up 16 percent from 2006 and rebounding after five consecutive years of decline. Weather for 2007 began cool and windy. Growers were still clearing diseased and abandoned plantings from continuous rain in 2006. A dry summer followed with water conservation measures put in place. Brush fires erupted and destroyed some plantings and irrigation lines. The rainy and windy weather returned to close out the year.

FRESH PAPAYA UTILIZATION & PRICE, STATE OF HAWAII, 1955-2007



The biotechnology variety Rainbow made up 68 percent of total acres in 2007, compared with 58 percent in 2006. Rainbow is resistant to Papaya Ringspot Virus (PRV), a virus that devastated the Hawaii papaya industry from 1993 to 1999. The Kapoho variety was the standard for the papaya industry for many years; however, Kapoho is susceptible to PRV. Yields of Rainbow are higher during the first year of harvest compared to the Kapoho variety. In the second year of harvest, yields for Rainbow are comparable to the Kapoho variety. The Kapoho variety accounted for 17 percent of total acreage compared to 25 percent the previous year. Annual August surveys since year 2000 show Rainbow and Kapoho have been the major two varieties; however, in recent years more Rainbow acreage has been planted.

TOTAL ACREAGE BY VARIETY, STATE OF HAWAII, 2000-2007



In 2007, the number of farms totaled 178, up 5 percent from 2006. Harvested acreage fell 14 percent from 2006 to 1,310 acres.

Majority of papayas were sold fresh, making up 93 percent of the utilization and the remaining 7 percent was processed. Fresh and processed papayas were valued at \$13.1 million, 19 percent above 2006. The all papaya price averaged 39.2 cents per pound, 2 percent more than the previous years 38.5 cents.

Papayas: Acreage, utilization, farm price and value, State of Hawaii, 1946-2007

Year	Farms	Production area	Utilization			Farm Price			Value of sales
			Processed	Fresh Mkt	All	Processed	Fresh Mkt	All	
		<i>Acres</i>	<i>----- 1,000 pounds -----</i>			<i>----- Cents per pound -----</i>			<i>\$1,000</i>
1946		360			7,565			3.2	241
1947		330			5,525			5.4	296
1948		400			7,100			4.3	303
1949		360			5,885			6.0	351
1950		460			6,450			4.2	270
1951		370			5,740			4.8	273
1952		320			7,005			5.7	397
1953		410			9,155			4.7	431
1954		470			10,785			5.2	556
1955		410	1,259	8,076	9,335	2.0	7.1	6.4	601
1956		430	1,746	8,989	10,735	2.1	7.0	6.2	661
1957		540	1,081	13,247	14,328	3.1	5.1	5.0	714
1958	226	610	1,300	13,682	14,982	2.3	5.6	5.3	797
1959	189	570	1,715	12,528	14,243	2.2	5.4	5.0	714
1960	176	500	1,815	10,130	11,945	2.4	6.7	6.0	719
1961	185	570	1,538	13,956	15,494	2.5	5.8	5.5	849
1962	161	540	738	13,472	14,210	2.5	6.0	5.8	826
1963	181	460	2,350	11,725	14,075	6.0	7.8	7.5	1,053
1964	197	750	4,266	17,614	21,880	5.8	4.5	4.7	1,032
1965	200	790	3,237	14,698	17,935	4.1	6.5	6.0	1,084
1966	139	600	3,455	15,225	18,680	3.7	7.9	7.1	1,334
1967	125	760	3,452	19,394	22,846	4.2	8.0	7.4	1,691
1968	120	830	3,465	20,085	23,550	3.9	10.6	9.6	2,260
1969	132	850	2,898	16,337	19,235	3.6	14.0	12.4	2,385
1970	139	1,040	1,022	23,938	24,960	3.9	10.0	9.8	2,436
1971	153	970	1,553	19,172	20,725	3.3	14.0	13.2	2,736
1972	179	985	3,776	21,959	25,735	2.9	15.1	13.3	3,423
1973	176	1,430	3,976	28,848	32,824	3.5	14.0	12.7	4,180
1974	181	1,690	2,695	34,529	37,224	3.1	13.9	13.1	4,871
1975	173	1,840	4,944	34,952	39,896	3.0	15.8	14.2	5,668
1976	178	1,930	6,449	43,588	50,037	3.8	13.5	12.3	6,134
1977	186	2,155	9,561	53,987	63,548	4.7	13.2	11.9	7,565
1978	183	2,190	9,376	54,624	64,000	4.6	14.4	13.0	8,304
1979	194	2,210	4,569	36,446	41,015	4.0	25.6	23.2	9,515

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Papayas: Acreage, utilization, farm price and value, State of Hawaii, 1946-2007 -- Continued

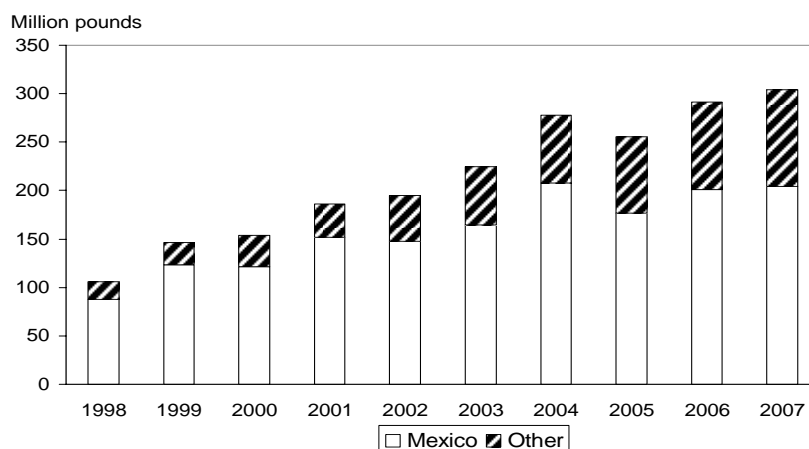
Year	Farms	Production area	Utilization			Farm Price			Value of sales
			Processed	Fresh Mkt	All	Processed	Fresh Mkt	All	
		<i>Acres</i>	<i>----- 1,000 pounds -----</i>			<i>----- Cents per pound -----</i>			<i>\$1,000</i>
1980	197	1,950	3,556	45,360	48,916	3.4	21.7	20.4	9,964
1981	211	2,110	8,220	58,170	66,390	3.1	20.9	18.7	12,413
1982	214	2,170	7,980	44,770	52,750	3.1	25.1	21.8	11,484
1983	227	2,120	15,100	46,300	61,400	4.4	23.6	18.9	11,591
1984	306	2,590	13,500	67,000	80,500	3.1	13.1	11.4	9,196
1985	315	2,650	11,150	49,250	60,400	2.3	16.9	14.2	8,579
1986	311	2,355	10,900	50,100	61,000	2.3	21.7	18.2	11,123
1987	293	2,350	11,000	56,000	67,000	2.2	19.3	16.5	11,050
1988	305	2,300	12,000	57,000	69,000	3.2	21.0	17.9	12,354
1989	325	2,500	10,000	64,000	74,000	3.0	22.0	19.4	14,380
1990	311	2,400	10,500	58,000	68,500	2.9	25.0	21.6	14,805
1991	271	2,025	7,200	48,150	55,350	2.7	33.3	29.3	16,228
1992	259	2,415	15,500	55,800	71,300	3.0	25.0	20.2	14,415
1993	256	2,555	5,500	58,200	63,700	3.1	23.2	21.5	13,673
1994	256	2,200	5,800	56,200	62,000	3.0	24.3	22.3	13,831
1995	244	2,435	8,900	41,900	50,800	3.0	43.5	36.4	18,494
1996	281	1,835	4,000	37,800	41,800	3.0	44.8	40.8	17,054
1997	241	1,985	3,100	35,700	38,800	3.0	52.9	48.9	18,978
1998	262	2,120	4,300	35,600	39,900	3.0	35.0	31.6	12,589
1999	222	1,940	3,000	39,400	42,400	3.0	40.2	37.6	15,929
2000	236	1,650	4,250	50,250	54,500	3.0	31.6	29.4	16,007
2001	221	1,950	3,000	52,000	55,000	3.0	27.9	26.5	14,598
2002	164	1,720	3,200	42,700	45,900	3.0	27.7	26.0	11,924
2003	163	1,565	1,800	40,800	42,600	3.0	31.9	30.7	13,069
2004	207	1,235	1,700	34,100	35,800	3.0	36.1	34.5	12,361
2005	207	1,480	2,200	30,700	32,900	3.0	36.4	34.2	11,241
2006	170	1,530	2,100	26,600	28,700	3.0	41.3	38.5	11,049
2007	178	1,310	2,200	31,200	33,400	3.8	41.7	39.2	13,094

U.S. Papaya Imports Higher

Fresh papaya imports from foreign sources into the United States totaled 304.5 million pounds in 2007, up 5 percent from the previous year, according to the Department of Commerce. Mexico accounted for 204.2 million pounds or 67 percent of the total. Imports from Belize have contributed 24 percent of the total imports in 2007.

Total imports by type for 2007 increased 4 percent from 2006 to 321.3 million pounds due to more fresh papayas. Fresh imports continued to account for the majority or 95 percent of total imports.

U.S. FRESH PAPAYA IMPORTS, 1998-2007



U.S. Imports of fresh papaya, by country, 2003-2007

Country	2003	2004	2005	2006	2007
	<i>Million pounds</i>				
Mexico	164.5	207.7	176.8	201.0	204.2
Belize	34.7	53.4	61.1	74.7	73.8
Brazil	15.8	10.7	10.1	8.1	9.2
Jamaica	3.3	2.2	2.3	2.9	2.2
Dominican Republic	5.5	2.6	2.4	2.2	11.3
Guatemala	.8	.9	2.7	2.2	3.4
Other	*	.3	.5	.3	.4
Total	224.6	277.8	255.9	291.4	304.5

* = Less than 100,000 pounds.

Source: U.S. Department of Commerce, Bureau of the Census.

U.S. Imports of papaya, by type, 2003-2007

Type	2003	2004	2005	2006	2007
	<i>Million pounds</i>				
Fresh	224.6	277.8	255.9	291.4	304.5
Frozen	1.5	2.1	2.7	2.7	2.2
Dried	4.9	3.9	4.0	3.3	4.8
Paste & Puree	.1	.1	.8	.5	.4
Pulp	1.1	1.2	1.1	1.4	1.5
Other	7.4	7.1	7.4	9.4	7.9
Total ¹	239.6	292.3	271.8	308.6	321.3

¹Total may not add due to rounding.

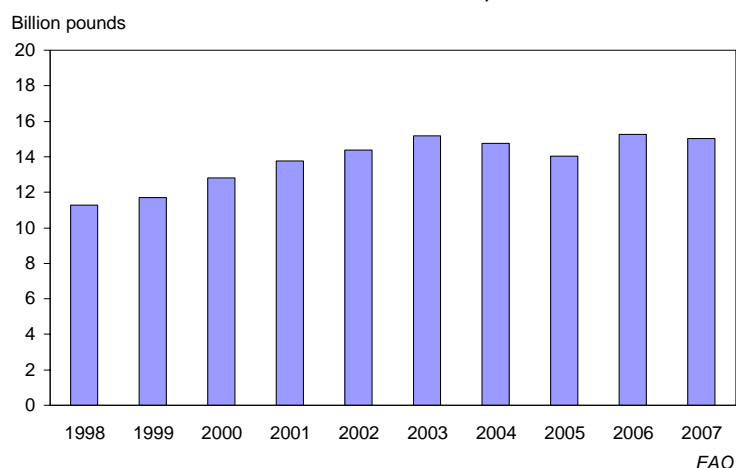
Source: U.S. Department of Commerce, Bureau of the Census.

World Papaya Production Down 2 Percent

World papaya production totaled 15.0 billion pounds in 2007, down 2 percent from a year ago, according to the Food and Agriculture Organization.

Brazil remained the top producer of papayas growing 4.2 billion pounds. Rounding out the top five producers world-wide are Mexico with 1.8 billion pounds, Nigeria with 1.7 billion pounds, India with 1.5 billion pounds, and Indonesia with 1.4 billion pounds.

WORLD PAPAYA PRODUCTION, 1998-2007



World papaya production, by country, 2003-2007¹

Country	2003	2004	2005	2006	2007
	<i>Million pounds</i>				
Brazil	3,780	3,555	3,470	4,184	4,184
Colombia	193	226	303	298	298
Congo, Dem Republic of	468	472	476	480	474
Ethiopia	508	² 573	² 573	507	507
India	1,543	² 1,543	² 1,543	1,543	1,543
Indonesia	1,382	1,615	² 1,210	1,419	1,422
Mexico	2,107	1,736	1,564	1,761	1,764
Nigeria	1,664	² 1,664	² 1,666	1,673	1,687
Peru	418	428	377	377	386
Philippines	288	295	323	347	362
Thailand	276	276	289	289	289
USA	43	36	33	28	33
Venezuela, Bolivarian Republic of	326	290	260	334	334
Other	2,198	2,059	1,938	2,024	1,747
Total ³	² 15,195	² 14,769	² 14,025	15,263	15,029

¹ Data quality can be official, semi-official, estimates, or calculated.

² Revised.

³ Total may not add due to rounding.

Source: Food and Agriculture Organization (FAO), FAOSTAT data, <http://faostat.fao.org/site/291/default.aspx> accessed on 8/28/2008

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