



United States  
Department  
of Agriculture

FTS-332

May 29, 2008



A Report from the Economic Research Service

[www.ers.usda.gov](http://www.ers.usda.gov)

# Fruit and Tree Nuts Outlook

Agnes Perez and Susan Pollack

## California To Produce More Strawberries in 2008, Peach, Nectarine, and Plum Production Adequate

At 130 (1990-92=100), the index of prices received by fruit and tree nut growers in April fell 13 percent from March and 10 percent from April 2007. Sharply lower orange prices relative to last year were the main driver for pulling down the April index but price declines for fresh-market pears and strawberries also helped to offset the higher prices for grapefruit, lemons, and apples.

USDA's National Agricultural Statistics Service (NASS) first forecast for 2008 strawberry production in California and Florida is set at 2.4 billion pounds, only fractionally lower than last year. California, the main U.S. strawberry producer, is forecast to increase its production by 2 percent, to 2.2 billion pounds, setting a new record. Florida's winter crop was affected by a freeze and is estimated at 208.0 million pounds, down 22 percent. Despite a slow start, supplies are increasing seasonally in California, driving down strawberry prices.

The first official forecast for California's 2008 peach crop was pegged at 1.66 billion pounds, 11 percent smaller than last year. Production of freestone peaches, mostly for fresh use, is forecast to remain unchanged but supplies of clingstone peaches is expected to be reduced by 20 percent due to extensive frost damage in April. Early into this season, cumulative pack-outs for fresh-market peaches are below the previous season, driving prices higher.

A number of banana-producing countries experienced production setbacks due to unfavorable weather and the resulting lower U.S. imports during the first quarter, along with high fuel prices for shipping the fruit, have led to strong banana prices. This scenario also holds for the U.S. papaya market. Mango imports, on the other hand, are up sharply during the first quarter, driving down prices for the season thus far.

NASS estimates 740,000 acres were planted to almonds in 2007. Of those, 615,000 were bearing, with another 125,000 acres not yet bearing a commercial crop. With such a large number of nonbearing acres, the trend toward increasing bearing acreage will continue for several more years. The weather has been reported to be pretty good for this season's almond crop. A freeze in Northern California has been reported to have caused only minor damage to the crop there. With a good crop of nuts on the trees and an increasing number of bearing acres, NASS' first forecast for the 2008/09 almond crop is estimated to be 1.46 billion pounds, shelled basis, exceeding last year's record crop by 6 percent.

### Contents

Price Outlook  
Fruit Outlook  
Fruit and Tree  
Nuts Trade  
Outlook  
Contacts and Links

### Tables

Grower prices  
Retail prices  
California stone  
fruit production  
Tropical fruit  
production  
Orange prices  
Processing  
Fresh-market  
Orange juice  
supply and use  
Grapefruit prices  
Lemon prices  
Fruit exports  
Fruit imports

### Briefing Rooms

Fruit & Tree Nuts

-----

The next release is  
July 30, 2008.

-----

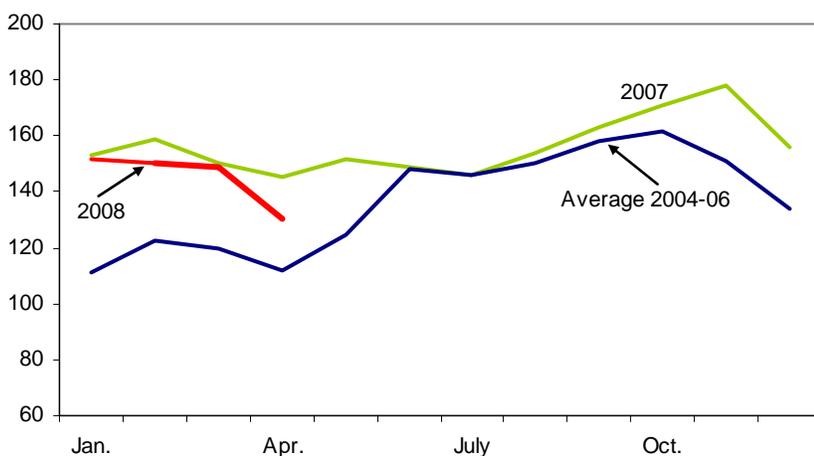
Approved by the  
World Agricultural  
Outlook Board

### *Grower Fruit Prices Show Bigger Dip in April*

The index of prices received by fruit and tree nut growers in April fell 13 percent from March 2008 and was 10 percent lower than in April 2007. At 130 (1990-92=100), this month's decline in the index appears to be the largest so far during the first 4 months of 2008 (fig. 1). With bigger crops in Florida and California, orange grower prices in April continued to be sharply lower than last year and were the main driver that pulled down the April index (table 1). The lower orange prices, along with price declines of 18 percent and 4 percent for fresh-market pears and strawberries, more than offset the higher prices for grapefruit, lemons, and apples (table 1). Fresh-market orange prices were down 67 percent in April from a year ago. With the forecast 39-percent bigger harvest of 2007/08 California Valencia oranges, which will supply most of the fresh-use orange market this summer, orange prices will likely remain low relative to last year for the remainder of the season. Reduced supplies in 2007/08, strong international demand, and the possibility of smaller than anticipated new crop (2008/09) supplies due to a mid-April freeze in Washington portend to continued higher prices for apples in the coming months.

The April index dropped from the March index as prices for strawberries, lemons, apples, and grapefruit fell. With harvesting in California in full swing, seasonal increases in supplies of lemons and strawberries have driven down prices for those fruit in April. Projected record-high strawberry production in California in 2008 will continue to put downward pressure on strawberry prices for the remainder of spring and through the high-demand period of the summer months when shipments peak for the season. Meanwhile, as 2007/08 California lemons finish up for the season by early summer, strong demand and tighter supplies will likely lead to the strengthening of lemon prices in the coming months.

Figure 1  
**Index of prices received by growers for fruit and tree nuts**  
 1990-92=100



Source: USDA, National Agricultural Statistics Service, *Agricultural Prices*.

Table 1--Monthly fruit prices received by growers, United States

Commodity	2007		2008		2007-08 Change	
	March	April	March	April	March	April
	-----Dollars per box-----				Percent	
Citrus fruit: 1/						
Grapefruit, all	2.91	2.10	3.14	2.89	7.9	37.6
Grapefruit, fresh	7.78	8.07	9.40	8.73	20.8	8.2
Lemons, all	8.68	9.18	39.77	28.18	358.2	207.0
Lemons, fresh	37.71	36.71	45.90	43.20	21.7	17.7
Oranges, all	10.58	10.62	6.07	6.21	-42.6	-41.5
Oranges, fresh	21.22	21.23	7.62	7.04	-64.1	-66.8
	-----Dollars per pound-----					
Noncitrus fruit:						
Apples, fresh 2/	0.292	0.281	0.344	0.335	17.8	19.2
Grapes, fresh 2/	--	--	--	--	--	--
Peaches, fresh 2/	--	--	--	--	--	--
Pears, fresh 2/	0.272	0.299	0.256	0.246	-5.9	-17.7
Strawberries, fresh	0.889	0.646	0.953	0.621	7.2	-3.9

1/ Equivalent on-tree price.

2/ Equivalent packinghouse-door returns for CA, NY (apples only), OR (pears only), and WA (apples, peaches, and pears). Prices as sold for other States.

Source: USDA, National Agricultural Statistics Service, *Agricultural Prices*.

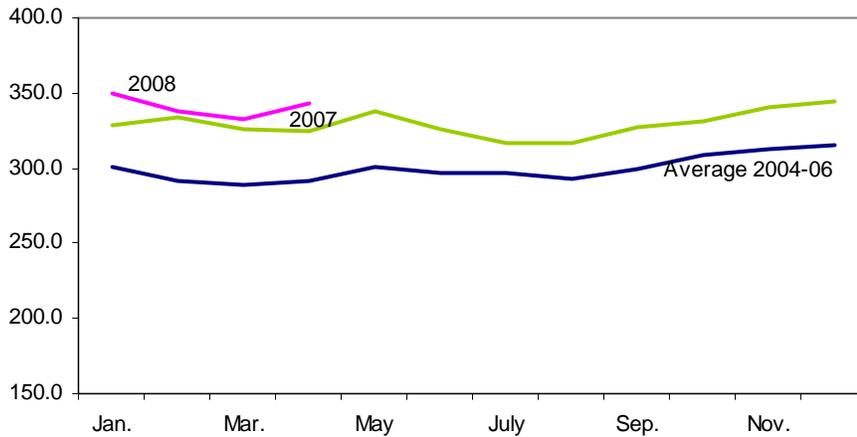
### ***Retail Fresh Fruit Prices Remain Strong***

The Consumer Price Index (CPI) for fresh fruit in 2008 remained strong relative to last year in each month through April (fig. 2). At 343.3 (1982-84=100), the CPI in April was 6 percent higher than the April 2007 CPI. Boosting the CPI in April 2008 were higher retail prices for bananas, Thompson seedless grapes, pears, strawberries, grapefruit, and lemons (table 2). Strong prices for these commodities more than compensated for the sharply lower prices U.S. consumers paid for navel oranges in April, along with fractionally lower prices for grapefruit.

Banana prices in April experienced the biggest gain, up 21 percent from the same time a year ago, to a record 62.7 cents a pound. Weather-reduced supplies in major producing countries in Central and South America and the Caribbean, along with high fuel prices for shipping bananas, put upward pressure on banana prices in the United States. Grape prices in April were also substantially higher than a year ago, up 17 percent, reflecting much lower supplies from Chile, the main source of grapes for the United States during the winter and early spring months.

Rainy weather damaged many of Chile's late-season grapes, limiting available supplies for exports. Chile's 2008 grape shipping season has ended and the U.S. market is now shifting to domestic production (starting with California's Coachella Valley crop) and imports from Mexico. Light early shipments strengthened grape prices in May from the previous month, according to retail prices reported by USDA's Agricultural Marketing Service (AMS). Prices for green and red grapes averaged \$1.97 a pound in May, compared with \$1.74 in April. Barring any weather problems, seasonal increases in supplies, both from domestic production and from Mexico, will likely drive down grape prices going into the summer months.

Figure 2  
**Consumer price index for fresh fruit**  
 1982-84=100



Source: U.S. Dept. of Labor, Bureau of Labor Statistics, (<http://www.bls.gov/data/home.htm>).

Table 2--U.S. monthly retail prices, selected fruit, 2007-08

Commodity	Unit	2007		2008		2007-08 Change	
		March	April	March	April	March	April
		--- Dollars ---		--- Dollars ---		--- Percent ---	
<b>Fresh:</b>							
Valencia oranges	lb	--	--	--	--	--	--
Navel oranges	lb	1.301	1.243	0.898	0.931	-31.0	-25.1
Grapefruit	lb	0.920	0.888	0.859	0.883	-6.6	-0.6
Lemons	lb	1.845	1.791	1.919	1.968	4.0	9.9
Red Delicious apples	lb	1.068	1.104	1.209	1.205	13.2	9.1
Bananas	lb	0.510	0.517	0.597	0.627	17.1	21.3
Peaches	lb	1.774	--	1.847	--	4.1	--
Anjou pears	lb	1.245	1.283	1.319	1.359	5.9	5.9
Strawberries 1/	12-oz pint	2.289	1.717	2.073	1.777	-9.4	3.5
Thompson seedless grapes	lb	1.763	1.957	1.936	2.282	9.8	16.6
<b>Processed:</b>							
Orange juice, concentrate 2/	16 fl oz	2.463	2.517	2.543	2.559	3.2	1.7
Wine	liter	7.723	9.529	8.204	9.809	6.2	2.9

-- Insufficient marketing to establish price.

1/ Dry pint.

2/ Data converted from 12 fluid ounce containers.

Source: U.S. Dept. of Labor, Bureau of Labor Statistics (<http://www.bls.gov/data/home.htm>).

### ***2008 Strawberry Production Forecast Up in California But Down in Florida***

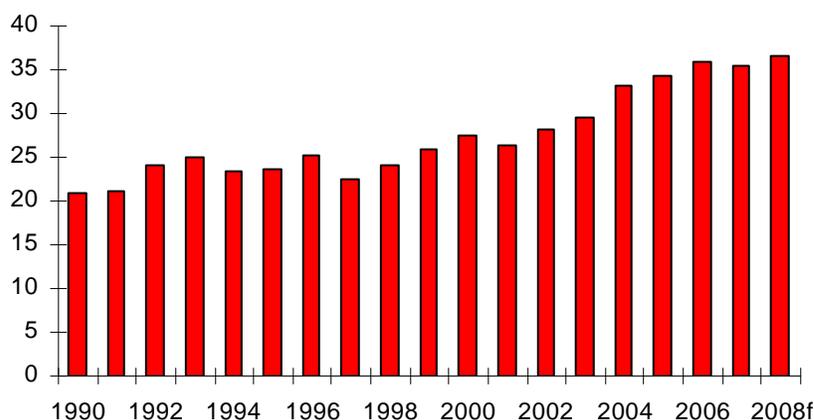
USDA's National Agricultural Statistics Service (NASS) first forecast for 2008 strawberry production in California and Florida is set at 2.4 billion pounds, only fractionally lower than last year. California's production, which normally accounts for about 88 percent of the Nation's strawberry crop, is forecast to increase 2 percent to 2.2 billion pounds, breaking the record crop it produced last year. While the average yield per acre in the State is forecast to decline almost 1 percent this year, it will be offset by the additional 1,200 harvested acres from a year ago, increasing total crop size. Last year, strawberry growers in California harvested a total of 35,500 acres. Strong demand for fresh use domestically and abroad, along with higher grower prices, encouraged California strawberry growers to continue to increase acreage over the last several years. The average rate of acreage increase, however, appears to have slowed in the last three years (fig. 3). In Florida, the 2008 winter strawberry crop was estimated to decline 22 percent to 208.0 million pounds. Due to the freezing temperatures in early January, both harvested area and average yields were down, declining 4 percent and 19 percent, respectively.

Strawberry winter shipments from Florida have already ended while supplies are increasing seasonally in California, driving down strawberry prices. Prices received by U.S. growers have fallen from the strong prices in January, which averaged \$1.94 per pound. Average prices declined to \$1.28 per pound in February and to \$0.95 in March, and down further to \$0.621 in April. Despite declining prices, a late start to the season in California coupled with the lack of supplies from Florida, kept strawberry prices strong relative to last year through most of the winter. This, however, has now been reversed as California supplies already caught up in April, averaging 10 percent higher than a year ago through early May, based on weekly

Figure 3

#### **California's strawberry harvested acreage increasing**

1,000 acres



f = Forecast.

Source: USDA, National Agricultural Statistics Service, *Noncitrus Fruits and Nuts Summary*, various issues.

shipment data from AMS. Grower prices in April averaged 4 percent below the April 2007 average of \$0.65 per pound. Through mid-May, prices in California's Salinas-Watsonville and Santa Maria growing Districts were unchanged to slightly below the same time last year, with free-on-board (f.o.b.) shipping-point prices for a flat of 12 (1-pint) baskets of California strawberries ranging from \$10.90 to \$12.90 for medium-large berries, compared with \$12.90 per flat the same time last year. For the same period, f.o.b. prices for medium-large berries in 8 (1-pound) containers with lids ranged from \$8.90 to \$10.90, compared with \$10.90 to \$11.90 a year ago. Should there be no major weather problems along the way, supplies are expected to continue to increase, exerting more downward pressure on fresh-market strawberry prices in the coming months.

Frozen strawberry inventories at the start of this year were 14 percent higher than the average beginning stocks level of the previous 5 years, likely reducing processor demand for freezer berries in 2008. By April 1, supplies in cold storage remained high, estimated by NASS at 205.3 million pounds, up 36 percent from the same time last year. Cumulative deliveries of freezer berries (Grade No. 1, California) to processors beginning in March through the mid-May were 45 percent below what was reported the same time as last year by the Processing Strawberry Advisory Board (PSAB) of California. The sharp decline in freezer berry deliveries likely reflects the light supplies and strong fresh-market prices during the very early part of this season, as well as reduced processor needs based on frozen strawberry inventory levels earlier in the year. Deliveries of juice berries were also lagging, behind by 27 percent. Although deliveries to processors remain below last year thus far, strawberry production in California will likely increasingly shift to the frozen market heading up to the summer months as fresh-market prices continue to fall seasonally with increasing supplies.

### ***Mid-April Freeze Affected Fruit Crops in Parts of Northern California and Washington***

Unusually cold spring weather swept through the U.S. Pacific Northwest in mid-April reportedly causing freeze damage to some fruit crops such as peaches, nectarines, pears, prunes, grapes, apples, cherries, and walnuts in some northern California counties and apple and cherry crops in the Yakima Valley area of Washington. In California, the freezing temperatures mostly affected fruit crops in the Sutter and Yuba counties which produce a significant proportion of California's peaches and prunes. Together, the two counties accounted for 33 percent of California's production of clingstone peaches (primarily for the processing sector) and 47 percent of prunes, based on the California County Agricultural Commissioner's 2006 data. At the same time, walnut production in both counties amounted to about 10 percent of the total crop.

Many growers used sprinklers and wind machines to help protect their crops from the freezing temperatures, but in some locations early reports indicate that these methods were not very effective. In Washington, most fruit trees in the Yakima Valley, which includes Yakima, Benton, and Kittitas counties, were between bloom and petal fall when the freeze occurred. Both Yakima and Benton counties have significant acreage devoted to apples and sweet cherries. Like in California, crop losses varied within an area, with some growers reporting heavy crop losses. Washington is the Nation's largest producer of apples and sweet cherries. Due to

the cold weather, Washington's cherry crop is expected to be reduced and start around the second week in June, one week later than normal. Although supplies of early-season varieties such as the chelans are expected to be down sharply from last year, the industry still anticipates adequate promotable supplies from around July through early August. The quality of this year's crop is reported to be very good as the reduced crop has resulted to large, sweet cherries. Washington's apple crop also appears to be developing about one week behind normal. There are no indications yet on whether or not this year's crop will be reduced. Prior to the freeze, however, the industry was optimistic that production in 2008/09 will increase following two consecutive years of declining crop size. Crop damage assessments are ongoing at this time for all the crops affected by the mid-April freeze to determine the impact of the losses on each of the crop's overall production.

### ***Smaller California Peach Crop Forecast for 2008***

The first official forecast for California's 2008 peach crop, pegged at 1.66 billion pounds, was released by NASS on May 9. If realized, this will be 11 percent smaller than last year's crop and the second smallest since 1995 (table 3). Production of freestone peaches, mostly for fresh use, is forecast to remain unchanged at 860 million pounds but supplies of clingstone peaches is expected to be reduced, with crop size forecast down 20 percent to 800 million pounds. Bloom set was good for most varieties of clingstone peaches but the crop succumbed to extensive frost damage in April. Damage to the crop is still being evaluated. Early reports have indicated that production in the northern growing areas, particularly in Sutter and Yuba counties, were the most affected.

Preliminary estimates from the California Tree Fruit Agreement (CTFA), an entity that administers the marketing order programs on behalf of the State's peach, nectarine, and plum growers, have the fresh-market peach crop similar in size as last year's, consistent with NASS' forecast. Production estimates from NASS for both the 2008 California nectarine and plum crops will not be available until January 2009. However, pre-season estimates from CTFA indicate nectarine production will also be relatively unchanged (up 0.6 percent) from a year ago and plum production up 8 percent despite frost damage in Tulare County in April. Based on these projections, California's 2008 nectarine crop, although likely to be larger than crop size over the last three years, will be smaller in size than most years since 1990 (table 4). Similarly, California's plum production in 2008 will likely be higher than the last two years but fall below most other years (table 5).

Generally favorable weather this past winter and spring has aided California's 2008 peach, nectarine, and plum crops in achieving a strong and consistent bloom and a good, full set. Lots of chill hours this winter helped keep the trees healthy, enabling them to produce strong, more flavorful fruit with good sizing. Timing of the crops is also reported to be almost similar to last year, meaning there should be a steady flow of supplies throughout the season. Although crop size for peaches and nectarines is not expected to be any bigger than last years', California's production last year was relatively large. Hence, there should be adequate good quality supplies to meet domestic and international fresh-market demand in 2008 and with the weak value of the U.S. dollar making U.S. exports more affordable for other countries, U.S. peach and nectarine exports should continue strong as it did last year. Combined fresh peach and nectarine exports totaled 232.2 million pounds in

Table 3--Peaches: Production, utilization, and season-average grower price, California

Year	Production 1/	Utilization		Grower price	
		Fresh	Processed	Fresh	Processed 2/
		-----Million pounds-----		--Dollars/pound--	
1990	1,555	384	1,171	0.22	0.11
1991	1,597	402	1,195	0.16	0.11
1992	1,759	430	1,329	0.14	0.11
1993	1,640	386	1,254	0.19	0.11
1994	1,717	440	1,277	0.12	0.09
1995	1,323	323	1,000	0.24	0.11
1996	1,715	459	1,256	0.28	0.11
1997	1,839	498	1,341	0.14	0.13
1998	1,712	432	1,280	0.20	0.11
1999	1,792	508	1,284	0.20	0.11
2000	1,808	538	1,270	0.19	0.13
2001	1,677	538	1,139	0.21	0.12
2002	1,870	556	1,314	0.21	0.12
2003	1,837	565	1,272	0.20	0.11
2004	1,858	518	1,340	0.17	0.13
2005	1,738	504	1,234	0.27	0.13
2006	1,424	484	940	0.30	0.15
2007 3/	1,866	562	1,304	0.25	0.15

1/ Utilized production. 2/ Prices are only for clingstones which represents about 80 percent of all California peaches processed. 3/ Preliminary.

Source: USDA, National Agricultural Statistics Service, *Noncitrus Fruit and Nuts Summary*, various issues.

Table 4--Nectarines: Production, utilization, and season-average grower price, California

Year	Production 1/	Utilization		Grower price	
		Fresh	Processed	Fresh	Processed
		-----Short tons-----		--Dollars/ton--	
1990	232,000	229,500	2,500	2/	2/
1991	215,000	211,000	4,000	2/	2/
1992	236,000	233,000	3,000	2/	2/
1993	205,000	201,000	4,000	2/	2/
1994	242,000	238,000	4,000	2/	2/
1995	176,000	170,000	6,000	2/	2/
1996	247,000	239,800	7,200	2/	2/
1997	264,000	258,500	5,500	2/	2/
1998	224,000	207,600	16,400	2/	2/
1999	274,000	256,300	17,700	437.00	27.90
2000	267,000	260,700	6,300	407.00	24.00
2001	275,000	265,400	9,600	480.00	26.00
2002	300,000	300,000	--	382.00	--
2003	273,000	273,000	--	436.00	--
2004	252,000	252,000	--	342.00	--
2005	239,000	239,000	--	504.00	--
2006	218,000	218,000	--	517.00	--
2007 3/	242,000	242,000	--	331.00	--

1/ Production all utilized. 2/ Not published to avoid disclosure of individual operations. 3/ Preliminary.

Source: USDA, National Agricultural Statistics Service, *Noncitrus Fruit and Nuts Summary*, various issues.

2007, up 22 percent from the previous year, despite lower overall supplies. Fresh-market supplies were down 5 percent in 2007, mostly due to freeze-reduced crops in the southeastern portion of the country, including those in South Carolina and Georgia, and lower imports from Chile and Canada.

For this season, cumulative pack-outs for peaches and nectarines through May 17, 2008 are below the same time last year, driving prices higher. As of mid-May, the range in prices for various yellow flesh California well-matured peaches in the Central and Southern San Joaquin Valley averaged \$24.05 (f.o.b. shipping point) for a two-layer tray pack of size 48-50s, \$21.05 for 54-56s, and \$18.95 for 60-64s.

Table 5--Plums: Production, season-average grower price, and crop value, California

Year	Utilized	Grower	Crop
	production	price	value
	Short tons	Dollars/ton	1,000 dollars
1990	223,000	603.00	134,412
1991	218,000	449.00	97,894
1992	250,000	252.00	63,033
1993	185,000	508.00	93,954
1994	247,000	321.00	79,358
1995	124,000	950.00	117,849
1996	228,000	420.00	95,831
1997	246,000	312.00	76,825
1998	188,000	529.00	99,388
1999	196,000	419.00	82,041
2000	197,000	442.00	87,115
2001	210,000	306.00	64,362
2002	201,000	386.00	77,586
2003	209,000	418.00	87,362
2004	144,000	516.00	74,347
2005	171,000	541.00	92,463
2006	158,000	688.00	108,648
2007 1/	142,000	665.00	94,397

1/ Preliminary.

Source: USDA, National Agricultural Statistics Service, *Noncitrus Fruit and Nuts Summary*, various issues.

For the same period last year, f.o.b. prices averaged \$22.95 48-50s, \$20.95 for 54-56s, and \$14.95 for 60-64s. Similarly, f.o.b. shipping point prices for various varieties of yellow flesh California well matured nectarines averaged \$27.55 for 54-56s and \$26.00 for 60-64s, compared with last year's averages of \$25.95 and \$22.95, respectively. Plum shipments have just started and because of the very light volume thus far, no prices have been reported yet by AMS as of mid-May.

Virtually all of California's clingstone peaches are produced for the processing sector. Hence, supplies of peaches for processors in 2008 will be limited by this year's expected smaller clingstone crop, likely putting upward pressure on peach prices California growers will receive from processors, which in 2007 averaged higher than the previous two years at \$304 per ton.

### ***Banana Imports Down in 2008***

As a number of banana-producing countries experience production setbacks due to unfavorable weather, the resulting light supplies imported into the United States as of this year's first quarter relative to a year ago has led to strong banana prices. Unseasonably cool temperatures in Central America have delayed crop maturity in much of the production region, affecting yields and causing harvest delays. Heavy rainfall and flooding in February also destroyed many hectares of bananas in Ecuador, the third-largest supplier of bananas to the United States. U.S. banana imports in 2008 through March totaled 2.18 billion pounds, 2 percent lower than imports during the first-quarter of 2007 but higher than any other first-quarter imports since the start of the new century, based on trade data from the U.S. Census Bureau. Imports totaled 8.82 billion pounds in 2007, 4 percent above the previous year and the highest since 2000 (table 6). Ninety-eight percent of this volume came from the United States' top five suppliers—Guatemala, Costa Rica, Ecuador, Honduras, and Colombia.

Table 6 --U.S. imports of fresh bananas, excluding plantains, by country, 1998-2007

Country	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
----- Million pounds -----										
Guatemala	1,443	1,107	1,518	1,834	2,040	2,059	2,250	2,269	2,013	2,411
Costa Rica	2,405	3,536	3,001	2,386	1,987	2,152	1,908	1,814	2,044	2,286
Ecuador	2,381	2,578	2,152	2,087	2,253	2,144	2,026	1,994	2,192	2,048
Honduras	831	184	608	841	990	953	1,120	999	932	1,064
Colombia	915	1,336	1,329	1,045	1,117	1,035	1,024	1,133	1,045	832
Other countries	651	720	279	275	227	209	210	223	238	186
World	8,627	9,461	8,886	8,467	8,613	8,552	8,538	8,431	8,465	8,827

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

First-quarter 2008 imports fell significantly from Costa Rica, a major supplier in Central America. Imports were also down from Colombia and Peru in South America and the Dominican Republic in the Caribbean where production was hampered by severe damage during last year's tropical storms. Declines in imports from these countries more than offset the increases in imports from other countries, including Guatemala (up 5 percent), Ecuador (up 4 percent), and Honduras (up 24 percent) who are among the top 5 banana suppliers to the United States.

The higher imports from Ecuador reflect larger year-over-year shipments in January and February. In March, imports from Ecuador fell 8 percent from the previous month and was 2 percent below the volume in March 2007. AMS shipment data indicate that supplies coming in from Ecuador in April through early May were much lower, reflecting the effects of the recent flooding in the country which affected their banana plantations. Shipments from Costa Rica and Peru continue below last year for the season through early May.

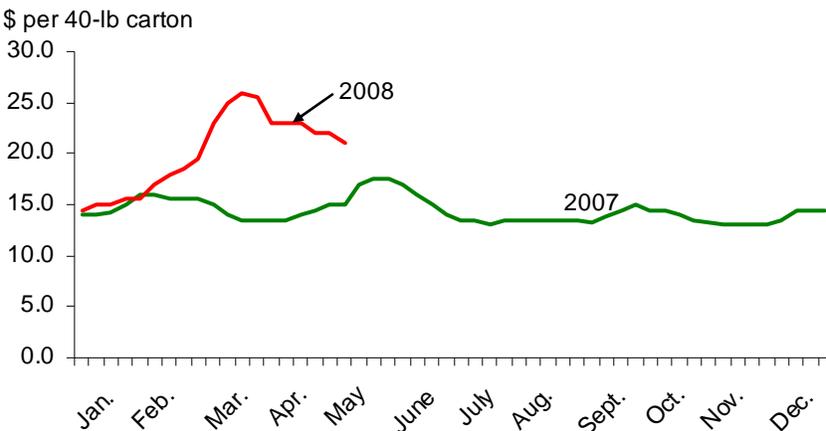
The tight supplies, along with higher fuel prices for shipping the fruit, continue to put upward pressure on banana prices in the United States. Banana prices in January at the Philadelphia wholesale terminal market were relatively steady from last year's, but prices escalated to higher levels than last year in February through mid-May (fig. 4). Prices also strengthened each month from January through March. When looking at the prices on a weekly basis, the highest quoted prices to date were in March when the range in prices went as high as \$25.00-\$26.00 per 40-pound carton. Weekly quoted prices, when averaged for the month, came to about \$19.00-\$20.00 from March through May, compared with \$14.00-\$15.00 the same time last year.

At the retail end, U.S. consumers are also feeling the pinch. According to data from the U.S. Bureau of Labor Statistics, banana retail prices increased each month from January through April (most recent month for which data is reported), reaching an all-time high of 62.7 cents per pound. Relative to last year, retail prices also held strong, with the monthly year-over-year change gaining momentum during the first four months of 2008.

Supplies are likely to remain tight for the remainder of the first half of 2008, keeping banana prices high. Although one might expect banana consumption in the United States to decline in 2008 in light of these two factors, the fact that bananas still remain relatively cheaper than other fresh fruit available to consumers here

Figure 4

**Average weekly wholesale banana prices higher in 2008<sup>1/</sup>**



<sup>1/</sup>Prices quoted at the Philadelphia terminal market.

Source: USDA, Agricultural Marketing Service, Market News portal.

<http://marketnews.usda.gov/portal/fv>

would suggest that demand will not change so drastically. Domestic consumption of bananas in 2007 was estimated at 26.2 pounds per person, slightly higher than the 4 previous years.

### ***Early Papaya Supplies Short of Last Year's Level***

U.S. papaya supplies in 2008 are dampened by a shortage of papaya volume coming in from Mexico and other major supplying countries in Central America and the Caribbean. Cumulative U.S. imports through March totaled 64.4 million pounds, down 22 percent from the same period a year ago but 17 percent above the average of the previous 5 years. Should imports continue lower for the season, this would reverse the trend in U.S. papaya imports which has been rising almost yearly since 1990. Cumulative first-quarter shipments from the United States' largest supplier, Mexico, fell 11 percent, along with sharper declines from last year's second and third largest supplier—Belize (down 58 percent) and the Dominican Republic (down 35 percent).

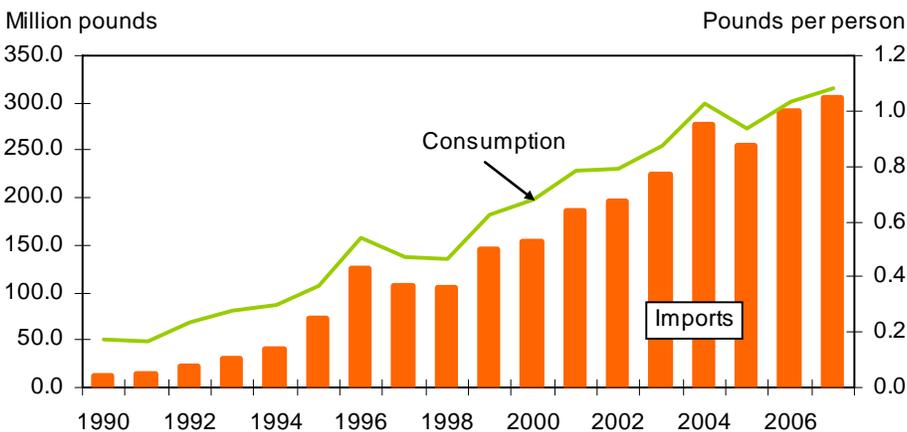
As domestic demand continues to grow, a shortage of import supplies and the rising cost of fuel are driving up 2008 papaya prices. Bad weather, ranging from heavy rains, flooding, and below-normal temperatures during the second-half of last year, was mostly to blame for the recent tight supplies of papayas across Central America and the Caribbean. Aggravating the supply situation in the affected groves was the difficulty in getting remaining supplies to target markets due to damages to marketing infrastructure such as roads and bridges. The hardest hit among the supplying regions was Belize, one among the leading sources of imported papayas for the United States accounting for about a quarter of total import volume over the last 3 years. Papaya groves in Belize were badly damaged by Hurricane Dean's category 5 winds and rain back in August 2007. Many tree trunks snapped broken, dropping to the ground many of the tree tops that held all the fruit. While new seedlings have been set in the groves soon after the hurricane, supplies in Belize are not expected to build up until this summer. Tropical storms and hurricanes also

affected production in parts of the Caribbean, including the Dominican Republic and Jamaica.

Imports play a critical role in the U.S. papaya market where demand for the fruit is growing an average 12 percent annually since 1990 (fig 5). Behind the growth in U.S. demand are the rapidly increasing ethnic populations in the country, particularly those of Hispanic, Asian, and Caribbean descents who are already familiar with papayas (but with familiarity and preference for specific varieties) and the main consumers of the fruit. However, a growing appetite among average U.S. consumers for new, health-promoting, and convenient food which papayas have a lot to offer have also likely contributed to increased demand. Papaya consumption in the United States already exceeded 1.0 pound per person in each of the past 2 years, up from only 0.18 pound in 1990. Outbreaks of the papaya ring spot virus have plagued Hawaii’s papaya plantations for many years, reducing yields and increasing production cost. As a consequence, Hawaii’s production has not kept up with the growth in domestic demand, furthering the growth in imports. Throughout the 1990s and into the 2000s, U.S. imports have been trending upward, setting a new record year after year, except in 1997, 1998, and 2005 (table 7). Now over 90 percent of domestic papaya demand is met by imports, up from an average 35 percent during the early 1990s.

Production in Hawaii during the first 3 months of 2008 was up 18 percent from the same period in 2007, but strong demand, particularly in the U.S. mainland and in export markets such as Canada and China, is partly responsible for the higher grower prices in January and February. Total fresh sales out-of-state during both those months averaged 60 percent higher than the same time last year. Heavy rains in early February weakened older trees and increased disease presence. Some of the older trees had to be removed but production was still compensated by younger, more productive orchards. The return of sunny conditions later in the month assisted younger plantings to make favorable progress.

Figure 5  
**Fresh papayas: U.S. imports and domestic consumption**



Source: U.S. trade data from the U.S. Dept. of Commerce, U.S. Census Bureau and consumption estimates derived by USDA, Economic Research Service.

Table 7--U.S. imports of fresh papayas, by country, 1998-2007

Country	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
----- 1,000 pounds -----										
Mexico	87,438	123,307	121,527	151,879	147,632	164,494	207,703	176,772	200,968	204,249
Belize	9,397	8,485	12,269	12,868	24,297	34,662	53,390	61,104	74,712	73,831
Dominican Republic	1,152	2,608	5,579	6,342	5,323	5,470	2,647	2,400	2,175	11,326
Brazil	1,102	6,229	10,301	11,220	12,820	15,825	10,700	10,134	8,073	9,183
Guatemala	67	0	0	326	724	769	914	2,740	2,248	3,396
Jamaica	4,562	4,194	3,411	3,480	4,189	3,294	2,197	2,277	2,907	2,186
Other countries	1,900	1,738	986	45	183	83	252	461	303	320
World	105,620	146,561	154,073	186,160	195,166	224,598	277,803	255,886	291,385	304,491

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

Hawaii's papaya utilized production in 2007 rose 16 percent from the previous year to 33.3 million pounds, following 5 consecutive years of decline. Both the number of farms producing papayas and bearing acreage in Hawaii increased in 2007, driving up production. While most of the production is centered in Hawaii County, recent production growth appears to be stemming from industry expansion in the Honolulu/Kauai/Maui region. Eight more Hawaii farms produced papayas in 2007 from the previous year for a total of 178 farms. Hawaii County housed 70 percent of these farms but their farm numbers remained unchanged from the year before. Papaya bearing acreage in the State of Hawaii totaled 1,395 acres in 2007, up 5 percent from the previous year. Hawaii County accounted for 89 percent of the bearing acreage last year but Honolulu/Kauai/Maui reported more significant acreage growth (up 35 percent versus 2 percent for Hawaii County). While production may continue to increase this year, recent fewer plantings will slow the growth in total papaya acreage and likely production in the near future. Non-bearing acreage fell 11 percent in 2007, with reduced area in both Hawaii County and Honolulu/Kauai/Maui.

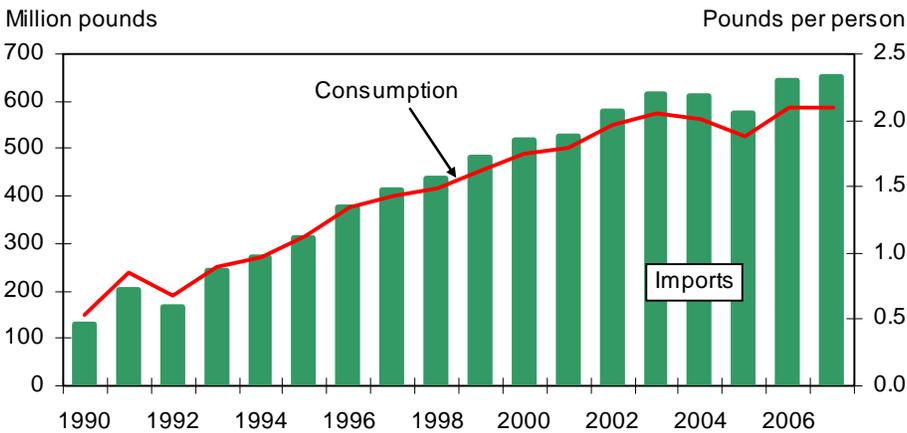
### ***Mango Imports Continue To Rise***

The demand for mangoes in the United States continues to grow. Thanks to industry marketing programs, there is greater awareness now for this tropical fruit than 20 years back when U.S. consumers ate only an estimated a half a pound of mango per person each year. Now, annual per capita consumption is estimated at over two pounds per person, with heavy reliance on foreign imports (fig. 6). While more traditional American consumers are beginning to know this fruit, the growing immigrant populations from Latin America and Asia remain the foundation for the growth in demand for mangoes in the U.S. market. Nearly all the mangoes we buy here come from Mexico, Ecuador, Peru, Brazil, Guatemala, and Haiti (table 8).

Mango imports in the United States continue to follow an upward path, increasing an average of 4 percent annually since 2000. In 2007, imports set a new record-high at 651 million pounds, although the annual import growth was a bit sluggish at only about 1 percent. With the exception of Peru, imports last year rose from most of the leading suppliers. The most notable increase, however, was from India—a long-time leader in world mango production but for many years has been banned from sending mangoes to the United States due to phytosanitary reasons. Shipments from India in 2007 rose from 44,525 pounds the previous year to 396,413 pounds. Shipments from Mexico, which account for the bulk of U.S. imports, only rose 2 percent last year compared with a 14-percent increase in 2006.

Figure 6

**Fresh mangoes: U.S. imports and domestic consumption**



Source: U.S. trade data from the U.S. Dept. of Commerce, U.S. Census Bureau and consumption estimates derived by USDA, Economic Research Service.

Shipments from Ecuador remained relatively unchanged from the previous year while declines were reported from Peru (down 13 percent) and Haiti (down 18 percent). Poor weather hampered supplies from South America whereas phytosanitary issues held back imports from Haiti. Imports of Haitian mangoes into the United States were blocked beginning in July 2007 after fruit flies were discovered in shipments back in late June. Pending results of USDA’s review of Haiti’s treatment and packaging procedures for mango exports, certification of all of the country’s mango exporting companies will remain suspended and no imports from that country will be allowed into the United States.

As of first-quarter 2008, mango imports totaled 157 million pounds, up 43 percent from the same time last year, driving down mango prices. Import volume through March 2008 was up from all supplying nations. This is in contrast to last year’s first quarter when weather-reduced supplies in important mango exporting countries in South America and harvest delays in Mexico’s early-season crop created a tight market which led to very strong early-season prices. More than half of first-quarter 2008 imports were from Peru, whose shipments were 54 percent higher than during the same time last year. Supplies from Mexico—the United States’ primary supplier of mangoes—increased 24 percent. A good growing season for Mexico’s 2008 mango crop is anticipated to provide large, good quality supplies of the fruit that will make its way here at more affordable prices relative to last year.

As the summer approaches, Mexican supplies arriving in the United States are increasing as other production regions of the country get their harvest underway. Mexico offers several varieties of mangoes that come in season in different times throughout the year. In general, though, supplies from Mexico are expected to reach peak levels for the season around June and July. Around late-March, f.o.b. shipping-point prices for Mexican Ataulfo mangoes crossing through Texas ranged from \$5.00-\$6.50 per 1-layer carton (12s), compared with \$7.00 per carton the same time last year. Around the same time, prices for Mexican Haden and Tommy Atkins ranged from \$2.75-\$3.50 per 1 layer carton (12s), compared with \$5.00-\$7.00 per carton last year. By mid-May, f.o.b. prices for Mexican Ataulfo mangoes have remained below last year and have come down from earlier in the year,

Table 8--U.S. imports of fresh mangoes, by country, 1998-2007

Country	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
----- 1,000 pounds -----										
Mexico	356,240	360,105	366,856	344,744	361,485	381,953	383,760	350,476	397,802	406,640
Ecuador	11,596	22,910	38,922	42,037	47,311	60,177	55,194	53,093	68,498	68,821
Peru	8,007	25,090	27,111	34,288	45,227	45,375	66,857	65,816	74,104	64,353
Brazil	15,540	28,030	37,443	59,385	79,454	86,054	59,937	57,637	50,901	54,405
Guatemala	22,555	21,051	18,262	22,739	21,053	18,207	19,346	20,539	20,130	28,398
Haiti	15,748	20,159	22,397	12,957	18,456	13,368	17,779	20,703	22,632	18,531
Other countries	5,473	5,139	7,314	8,420	7,542	8,583	6,350	6,731	10,498	9,700
World	435,177	482,681	518,305	524,569	580,582	613,815	609,236	575,058	644,580	650,872

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

ranging from \$3.50-\$4.00 per 1-layer carton (12s). At the retail end, U.S. consumers in April and May were paying an average of \$0.94 for a mango fruit, down from over \$1.00 earlier in the year, based on the new retail price series reported by AMS beginning in October 2007.

### ***Pineapple Imports Higher Early Into 2008***

Overall import supplies of fresh and processed pineapples in the United States which comprise much of what is consumed in the country were up during the first 3 months of 2008 compared with the same period a year ago. Fresh pineapple imports were up 7 percent and those for canned pineapples and pineapple juice were up 15 percent and 36 percent, respectively.

First-quarter fresh pineapple import volumes were higher from most leading foreign suppliers, except Ecuador. The bulk of fresh pineapple imports were from Costa Rica, the top supplier to the United States and volumes sent from there were up a moderate 5 percent. Import volumes from other leading suppliers such as Mexico and Honduras showed more significant growth. U.S. fresh pineapple imports experienced year after year increases since 1996, reaching an all-time high of 1.5 billion pounds during 2007 (table 9). Over this time period, countries such as Costa Rica, Ecuador, Mexico, Guatemala, and Honduras, the top 5 ranking foreign suppliers of fresh pineapples to the United States, have strengthened their competitive position in the U.S. fresh pineapple market, increasing the total import share of domestic consumption from 58 percent to nearly 90 percent. Approximately 98 percent of all fresh pineapple imports coming into the United States come from these top five suppliers. Import volumes are generally trending up from these countries, boosting overall imports in the United States and subsequently aiding the rise in domestic fresh pineapple consumption. On a per capita basis, U.S. consumption of fresh pineapples has almost tripled in nearly the past two decades, increasing from about 2 pounds annually during the early to mid-1990s to an estimated record-high of 5.7 pounds in 2007.

U.S. imports of pineapple juice have generally fallen along with domestic production, reflecting declining domestic demand for pineapple juice (table 10). Imports which were in the 85- to 95-million-gallon range during the early 1990s were down to 67 million gallons in 2007. While having declined in volume, pineapple juice imports, like fresh pineapple imports, now account for a larger share of domestic consumption, averaging 90 percent during the past three years. The Philippines continues to be the No. 1 supplier of pineapple juice to the United States, accounting for more than half of total annual imports for the last several

years. Thailand, Costa Rica, Indonesia and Mexico complete the country's top 5 foreign suppliers of pineapple juice with a combined share of total imports averaging 43 percent during 2000-07. Imports in 2008 through March are up significantly from major suppliers, except from Costa Rica (up only fractionally from January-March 2007) and from Mexico (down 85 percent). Should imports remain higher through most of this year, even at a more moderate growth rate than earlier in the year, domestic per capita consumption of pineapple juice is expected to improve from last year's estimate of 0.25 gallon, which was slightly below the average during 2000-06 and the lowest since the late 1970s.

Despite some ups and downs, canned pineapple imports remained relatively stable over the past two decades. Thailand remained the leading supplier to the United States for the second consecutive year in 2007, outranking the Philippines, which historically has been first (table 11). Others in the list of top five foreign suppliers include Indonesia, China, and Malaysia. Imports fell 4 percent in 2007 from the year before, reflecting mainly shipment declines from Thailand (down 11 percent) and Indonesia (down 17 percent). Imports appear to be on a rebound in 2008, with first-quarter volume up 15 percent, reflecting increases from major suppliers except Malaysia.

Increased imports continue to put growing pressure on domestic production. Following a long-term downward trend, Hawaii's pineapple production continued to decline in 2006, the most recent year with available production data. Utilized production that year was pegged at 188,000 tons, 32 percent below the previous 5-year average and the lowest level reached since the late 1970s. In view of Hawaii's shrinking pineapple industry, this significant decline in utilized production in 2006 came earlier than expected as one of two remaining pineapple companies in the State ended their production operation in 2006 rather than their initial intention of continuing to operate until 2008. There were 100 fewer acres devoted to the crop in 2006, totaling 13,900 acres. Production disposition has been shifting in favor of the fresh market and historically for the first time, more production went to the fresh market than to the processing sector in 2006. Encouraged by strong market demand and higher grower prices for fresh-market pineapples, the fresh-market share of utilized production continues to grow, increasing from 34 percent in 2000 to 53 percent in 2006.

Table 9---U.S. imports of fresh and frozen pineapples, by country, 1998-2007

Country	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
----- 1,000 pounds -----										
Costa Rica	446,029	504,018	574,663	581,531	765,120	888,956	873,559	978,920	1,161,862	1,280,249
Ecuador	5,268	11,785	14,341	18,788	40,405	65,713	76,817	83,291	80,148	74,935
Mexico	41,009	33,530	38,505	54,180	39,799	33,421	60,102	61,238	49,697	64,815
Guatemala	1,018	3,846	1,681	5,581	1,617	6,471	38,840	71,889	73,144	60,599
Honduras	59,414	73,976	72,570	44,690	45,478	54,516	75,911	73,072	28,047	44,445
Panama	299	0	275	561	930	1,062	3,884	8,321	7,437	17,094
Thailand	6,505	4,722	6,255	8,021	6,845	9,255	8,894	10,032	7,769	7,410
Philippines	13	0	126	1	0	2	153	4,424	10,322	7,238
Vietnam	0	344	497	741	1,468	662	241	526	522	521
Republic of South	0	0	9	76	157	329	398	285	439	378
Other countries	3,938	474	2,369	1,480	826	2,262	948	1,174	2,076	1,136
World	563,493	632,697	711,292	715,651	902,645	1,062,649	1,139,747	1,293,172	1,421,462	1,558,820

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

Table 10--U.S. imports of pineapple juice, by country, 1998-2007

Country	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
----- 1,000 single-strength gallons -----										
Philippines	33,963	33,459	34,971	39,319	38,754	48,821	40,820	36,971	38,191	35,540
Thailand	17,203	29,573	22,522	21,454	20,213	19,535	16,732	17,384	21,133	19,606
Costa Rica	1,598	3,073	2,124	1,953	3,716	2,885	1,634	2,655	3,251	4,742
Indonesia	5,244	9,795	6,260	6,924	10,224	8,625	6,451	7,991	7,146	3,539
Mexico	2,093	509	349	235	627	1,279	604	805	907	861
Vietnam	0	0	0	0	76	275	958	245	537	572
China	121	80	22	180	189	120	172	419	235	491
Other countries	1,279	1,735	1,234	633	1,593	2,373	970	1,222	1,385	1,161
World	61,502	78,224	67,482	70,698	75,391	83,912	68,343	67,692	72,785	66,511

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

Table 11---U.S. imports of canned pineapples, by country, 1998-2007

Country	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
----- 1,000 pounds -----										
Thailand	109,955	257,272	183,580	168,261	183,595	224,135	240,722	280,029	320,931	286,203
Philippines	247,345	274,052	306,735	296,357	287,462	304,298	286,954	281,726	266,220	277,330
Indonesia	108,676	144,861	146,360	122,026	135,323	117,412	113,174	129,213	124,735	103,095
China	22,354	29,904	17,098	17,888	31,459	54,173	58,299	75,108	69,035	76,939
Malaysia	15,084	15,077	9,556	10,000	11,322	17,877	16,463	16,037	16,746	24,519
Other countries	44,985	37,258	41,046	33,604	35,297	26,845	10,108	8,736	10,063	7,686
World	548,399	758,424	704,376	648,136	684,457	744,740	725,720	790,850	807,730	775,773

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

### ***Larger Orange Crops in 2007/08 Drive Down Grower Prices***

The greater quantity of oranges produced in both Florida and California has driven down the prices growers are receiving this season for both processing and fresh oranges. NASS forecasts Florida's production at 7.6 million tons, 31 percent higher than last season, and California's production at 2.5 million tons, 42 percent higher than last season's frost damaged crop. If realized, this would be Florida's biggest orange crop since 2003/04 and California's biggest since 1997/98.

By mid-May, all of Florida's early and mid-season orange varieties, including navels and Temples had been harvested. Almost 40 percent of the Valencia oranges still remained, a higher percentage than either of the past 2 seasons. The quantity of oranges going to fresh use was down this season, partially due to the smaller navel crop that mostly goes to fresh use, but also due to fewer juice-variety oranges sold as fresh. As a result, only 2 percent of Florida's oranges were sold for fresh use this season, down from an average of 3 percent the past 2 seasons.

With the bulk of oranges going to processing, Florida orange grower prices are strongly correlated with orange juice demand as well as the size of their annual crop. This season the demand for orange juice as measured by juice movement has been slow. Together with the bigger crop, grower prices have declined, averaging \$5.60 per 90-lb box so far this season, October through April, down from the average of \$7.52 per box for the same period last season (table 12). However, prices are still considerably higher than any other season since the early 1990s. Although the crop is bigger and juice movement is slow this season, demand from processors has been strong. Oranges used for making frozen concentrated orange juice (FCOJ) was up 39 percent through May from the same time last season and

Table12--Processing oranges: Average equivalent on-tree prices received by growers, Florida, 2002/03-2007/08

Month	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08
	-----Dollars/90-lb box-----					
October	1.68	1.13	--	0.40	4.25	--
November	2.29	1.89	2.04	3.23	5.23	4.35
December	2.37	2.03	2.32	3.94	6.44	5.10
January	2.50	2.11	2.52	4.33	7.55	5.45
February	2.58	2.18	2.71	5.24	8.55	5.80
March	3.84	3.62	3.59	6.04	10.05	6.22
April	3.87	3.72	4.27	6.31	10.55	6.65
May	3.85	3.71	4.37	6.52	11.55	
June	3.74	3.85	4.26	6.78	11.15	
July	--	--	--	6.28	--	
Oct.-April Average	2.73	2.38	2.91	4.21	7.52	5.60

-- = Not available.

Source: USDA, National Agricultural Statistics Service, *Agricultural Prices*, various issues.

Table 13 --United States: Orange juice supply and utilization, 1986/87 to present

Season 1/	Beginning stocks	Production	Imports	Supply	Exports	Domestic consumption	Ending stocks	Per capita consumption
	-----Million sse gallons 2/-----							Gallons
1986/87	204	781	396	1,381	73	1,106	201	4.57
1987/88	201	907	296	1,404	90	1,103	212	4.52
1988/89	212	970	272	1,454	73	1,148	233	4.66
1989/90	233	652	350	1,235	90	920	225	3.70
1990/91	225	876	320	1,422	94	1,170	158	4.65
1991/92	158	930	286	1,374	107	1,096	170	4.30
1992/93	170	1,207	324	1,701	114	1,337	249	5.18
1993/94	249	1,133	405	1,787	107	1,320	360	5.04
1994/95	360	1,257	198	1,815	117	1,264	434	4.77
1995/96	434	1,271	261	1,967	119	1,431	417	5.34
1996/97	417	1,437	256	2,110	148	1,398	564	5.16
1997/98	564	1,555	281	2,400	150	1,571	679	5.73
1998/99	679	1,236	350	2,265	147	1,585	534	5.71
1999/2000	534	1,493	339	2,366	146	1,575	645	5.60
2000/01	645	1,389	258	2,292	123	1,471	698	5.18
2001/02	698	1,435	189	2,322	181	1,448	692	5.05
2002/03	692	1,251	291	2,235	103	1,427	705	4.93
2003/04	705	1,467	223	2,395	123	1,450	822	4.95
2004/05	822	976	358	2,155	119	1,412	623	4.78
2005/06	623	988	299	1,910	138	1,314	459	4.40
2006/07	459	896	399	1,754	123	1,255	376	4.17
2007/08 f/	376	1,124	380	1,880	139	1,262	479	4.16

f = forecast.

1/ Season begins in October of the first year shown as of 1998/99, prior year season begins in December.

2/ SSE = single-strength equivalent.

Source: Prepared and calculated by USDA, Economic Research Service.

fruit used to make single-strength orange juice was up by 6 percent. As a result of the large quantity of fruit going into juice making this season and the slow movement, ending stocks will likely be high for both FCOJ and not-from-concentrate orange juice (table 13).

California's biggest orange crop in about a decade has brought grower prices down 45 percent from last season's frost damaged crop year, but down only 7 percent from the average for the previous 3 seasons (2003/04 through 2005/06). Prices this

Table 14--Fresh oranges: Average equivalent on-tree prices received by growers,  
California, 2002/03-2007/08

Month	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08
-----Dollars/75-lb box-----						
November	11.05	12.20	13.00	13.00	9.49	14.68
December	8.25	10.00	10.40	10.60	12.39	10.28
January	5.65	8.50	9.50	9.10	12.39	8.88
February	4.26	8.55	8.95	9.11	24.68	7.68
March	6.45	10.10	9.34	9.20	22.14	7.83
April	8.41	9.74	10.47	11.30	22.55	7.18
May	8.65	10.04	10.63	12.55	21.81	
June	7.09	11.22	9.02	12.99	18.03	
July	5.36	9.64	7.24	12.94	16.83	
August	5.64	11.04	6.84	14.84	14.63	
September	4.94	15.44	8.14	22.04	12.83	
October	4.84	21.23	7.84	19.04	9.63	
Nov.-Feb. Average	7.35	9.85	10.28	10.39	17.27	9.42

Source: USDA, National Agricultural Statistics Service, *Agricultural Prices*, various issues.

season have ranged from a high of \$14.68 in November when the season got off to a slow start and fruit availability was limited, to a low of \$7.18 in March as the navel season begins to wind down (table 14). The navel oranges are reported to be of good color, maturity, and sugar content, attributes helpful to drive consumer demand. As of May 10, AMS Market News data show California shipments running ahead of last season. The industry estimates the navel season will be winding down by mid-May with some late-variety navels available through June.

Retail prices for navel oranges have been averaging \$0.93 a pound from November through April, about 22 percent less than last season but the same as in 2005/06 (table 15). Among the top 20 retail markets surveyed by COGNOS Freshlook, the major retail markets for fresh oranges this season through mid-March were: Los Angeles—15 percent, New York—13 percent, and Baltimore/Washington and Chicago—7 percent each.

The big crop this season, along with good quality attributes have helped drive up orange exports this season. Shipments from November through March were up 53 percent from last season's freeze-reduced crop and 4 percent above the average for the previous 3 seasons. Nearly a third of all orange shipments went to Canada. While up from last season, the quantity shipped to Canada during this period was less than any season since 2001/02. South Korea, on the other hand, has become a rapidly growing market, accounting for a quarter of all oranges shipped this season through March. Fresh orange exports to South Korea have been growing at an average annual rate of 21 percent. Since the turn of the new century, shipments to South Korea have been exceeding those to Japan annually. During the past several seasons, quantities shipped to South Korea have at times exceeded the largest shipments to Japan since the late 1980s, early 1990s, when Japan became the second largest international market for U.S. oranges. Although dropping in its ranking to number 3 among export destination for U.S. fresh oranges, Japan's market still shows some growth potential, with this season's shipments averaging about the same or slightly higher than between 2001/02 and 2005/06.

Table 15--Fresh oranges: Retail prices, 2001/02-2006/07

Month	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08
-----Dollars/pound-----						
November	1.00	0.97	1.08	1.17	1.20	1.08
December	0.74	0.86	0.87	0.89	0.96	0.91
January	0.71	0.79	0.84	0.84	1.09	0.91
February	0.71	0.73	0.80	0.92	1.38	0.89
March	0.73	0.73	0.78	0.89	1.30	0.90
April	0.74	0.74	0.82	0.88	1.24	
May	0.80	0.77	0.90	0.99	1.27	
June	0.88	0.88	1.01	1.12	1.32	
July	0.57	--	0.91	0.93	1.08	
August	0.54	0.67	0.89	1.00	1.11	
September	0.59	0.71	0.88	1.08	1.07	
October	0.60	--	0.90	1.42	1.04	
Nov.-April Average	0.77	0.80	0.86	0.93	1.19	0.93

Source: U.S. Dept. of Labor, Bureau of Labor Statistics, (<http://www.bls.gov/data/home.htm>).

Due to the greater availability of California navel oranges in U.S. markets, imports are down by 74 percent from last season from November through March. Despite the sharp decline in imports, shipments from Mexico have been higher than usual when compared with the 3 season's prior to last season. Reports early in the season from FAS' Mexican Agricultural attaché expect a good crop this season from Mexico, explaining some of the increase in shipments.

### ***Bigger Grapefruit Crop in 2007/08 Drives Grower Prices Down Slightly***

The U.S. grapefruit crop is forecast to reach 1.5 million tons this season, 5 percent bigger than last season, but 2 percent smaller than in 2006/07. Florida's crop accounts for 72 percent of the production this season and is the only crop among the 4 major producing States—Florida, Texas, California, and Arizona, that increased. Production is forecast to remain unchanged from last season in California and Arizona and to be down 3 percent in Texas.

Although the crop has improved in size from the devastation of the hurricanes in 2003/04 and 2004/05, this season's crop is less than half the size of a normal crop in the 1990s. With declining acreage and continued disease problems, especially in Florida, it is unlikely the industry will return to its average size of 2.2 million tons annually during that era. With price strongly related to crop size, this season's grower prices for fresh grapefruit have averaged about \$10.36 per 80-lb box, 1 percent down from last season and down 44 percent from 2004/05 and 31 percent from 2005/06, the hurricane seasons (table 16). Compared to bigger crop years, however, growers this season are receiving almost double the price per box which averaged \$5.57 annually throughout the 1990s.

Florida's grapefruit season was pretty well finished by mid-May. According to data from Florida's Citrus Administrative Committee (CAC), about 32 percent of the crop went to fresh use with the remainder sold to processors. The top domestic markets for fresh grapefruit were New York, Baltimore/Washington, Los Angeles,

Table 16--Fresh grapefruit: Average equivalent on-tree prices received by growers, 2003/04-2007/08

Month	2003/04	2004/05	2005/06	2006/07	2007/08
-----Dollars per 80-lb box-----					
October	9.72	16.05	21.85	15.15	11.74
November	6.86	19.93	14.66	12.42	14.20
December	6.26	18.87	14.37	11.88	9.30
January	6.14	19.41	15.29	9.93	10.19
February	6.52	18.93	13.89	8.25	8.98
March	7.46	18.32	12.60	7.78	9.40
April	6.75	18.91	12.11	8.07	8.73
May	7.54	17.78	15.13	10.44	
Oct.-Apr. Average	7.10	18.63	14.97	10.50	10.36

Source: USDA, National Agricultural Statistics Service, *Agricultural Prices*, various issues.

and Chicago. In the U.S. market, almost all the grapefruit sold for fresh use are red or pink. White grapefruit accounted for only 3 percent of total sales of Florida's fruit and most all of Texas' grapefruit are red. Texas' crop was completely harvested and shipped by CAC's May 11 report. Industry sources indicated that not all of this season's Texas grapefruit crop was harvested.

The CAC data also indicated that a larger share of Florida fresh grapefruit were exported than sold domestically. In 2007/08, exports of white grapefruit which make up 25 percent of the total were down 6 percent from last season. White grapefruit are still popular in Japan. Shipments of red/pink grapefruit increased fractionally from last season.

Total fresh grapefruit exports were down 11 percent this October through March over the same period last season. Shipments to Japan, which accounted for 51 percent of the total, fell 21 percent from last season. Shipments to Canada, the No. 2 market fell 7 percent. On the brighter side, European demand was strong this season with bigger shipments to the Netherlands, Belgium, France, and Germany. They were also up to South Korea and Taiwan.

### ***Lemon Prices Rise In Light of Second Consecutive Small Crop***

The 2007/08 lemon crop, forecast at 703,000 tons, is forecast to be 12 percent smaller than last season's revised crop size of 798,000 tons, which was damaged by freeze. California's crop is forecast to be 8 percent smaller than last season, and if realized it would be the smallest crop since 1998/99. Arizona's crop is 40 percent smaller than even last season's, and the smallest in recent history. While last season's smaller crop brought higher grower prices, the continued pressure on the industry to provide ample lemon supplies has further pressured prices higher. Last season, prices for fresh lemons averaged \$31.69 per 76-lb box (table 17). While prices were high coming into the season in late 2006, after the January 2007 freeze, prices doubled and remained high throughout the remainder of the season. With tight supplies coming into the 2007/08 season, prices began at nearly double last August's price and the highest for the month on record. So far this season, August through April, the grower price for fresh lemons averaged \$45.55 per box and is

likely to increase in the coming months as the demand for lemons grows with the onset of warmer weather which generally increases lemon demand.

AMS data show shipments this season through May 12 to be just slightly more than half the quantity shipped about the same time last season. While price may play a role in slower movement, other factors also play an important role. Primarily, early last season was a typical marketing year until almost half way through when the freeze damaged parts of the remaining crop. This season started out smaller than last season and there have been fewer fruit to market throughout the entire season.

Although domestic shipments have been lower than last season, consumers were unlikely to have noticed any supply shortages. To compensate for the smaller domestic crop, imports, predominantly from Mexico and Chile have been very strong this season. Through March, imports increased 62 percent over last season and more than 2.5 times greater than the average imports from 2002/03 through 2005/06. Mexico's shipments accounted for 70 percent of the imports this season, and were almost three times greater than the quantity shipped during this time in 2006/07. Chile's shipment accounted for about 25 percent of the total, slightly less than double last season. Shipments from Spain, the third major source of lemon imports into the United States, were down 10 fold, as Spain is also dealing with reduced production this season due to drought.

Although imports have provided for ample fresh lemon supplies in the market this season, retail prices are up. From August 2007 through April 2008, fresh lemon retail prices averaged \$1.95 per pound, 12 percent higher than last season's average of \$1.74 per pound and 47 percent higher than the average price from 2001/02 through 2006/07 at \$1.33 per pound. While the weaker value of the U.S. dollar would likely increase the price of imported products, the average unit value per pound of imported lemons declined slightly from last season. While the unit price was higher from Mexico, it was offset by a lower price from Chile. Further bringing down the price from last season was the small presence of Spanish lemons, which tend to be higher than from either of the other two countries.

Table 17--Fresh lemons: Average equivalent on-tree prices received by growers, 2003/04-2007/08

Month	2003/04	2004/05	2005/06	2006/07	2007/08
-----Dollars per 76-lb box-----					
August	17.70	20.31	15.72	27.01	43.40
September	13.87	19.73	13.41	31.32	46.10
October	10.96	17.87	12.06	34.04	48.04
November	10.23	16.39	12.35	26.48	48.00
December	8.98	16.53	12.33	18.27	42.68
January	8.17	16.33	10.99	16.22	45.54
February	9.72	15.40	13.47	37.26	47.10
March	13.80	15.00	16.00	37.71	45.90
April	16.40	17.71	23.82	36.71	43.20
May	17.10	26.71	28.02	36.11	
June	19.50	21.31	27.62	38.21	
July	21.00	20.51	26.22	40.91	
Aug.-April Average	12.20	17.25	14.46	31.69	45.55

Source: *Agricultural Prices*, various issues, National Agricultural Statistics Service, USDA.

Despite the smaller supply and higher prices this season, lemon exports have been the highest on record through March. Although grower prices are up this season, the weak dollar creates a favorable environment for lemon sales in international markets. While the average grower price between August 2007 and March 2008 increased about 61 percent from the same time last season, and U.S. retail prices averaged 12 percent higher, the unit value of fresh lemon exports averaged only 2 percent higher. As a result, exports have been strong to Japan, Canada, Australia, South Korea, and New Zealand, but down to China and Hong Kong. Together, these countries accounted for 99 percent of the exports so far this season. The strongest growth this season occurred from both Australia and New Zealand. Australia has been experiencing several years of drought and U.S. lemon shipments have nearly doubled in each of the past 2 seasons.

### ***Almond Bearing Acreage Continues To Climb***

NASS' 2007 California Almond Acreage Report, released May 1, estimates 740,000 acres were planted to almonds, 615,000 of which were bearing, with another 125,000 acres not yet bearing a commercial crop. With such a large number of nonbearing acres, the trend towards increasing bearing acreage will continue for several more years (fig. 7). Due to the continuing strong returns growers receive from almonds, producers who previously were planting program crops have been replacing some of the field crop acres to almonds. This has been especially noticeable with cotton acreage. With the continued growth in almond acreage, in 2007, more California acreage was planted to almonds than to rice, cotton, or wheat. Among the major crops produced in the State, only acres planted to feed corn and grapes exceeded the quantity planted to almonds.

The bulk of California's almond production is concentrated in the Central Valley, with about 64 percent from Kern, Merced, Stanislaus, and Fresno counties. Similarly, 62 percent of the nonbearing acreage is in Kern, Fresno, and Stanislaus. The nonpareil variety accounted for 38 percent of the bearing acres, followed by Carmel, Butte, Monterey, and Padre. Among the nonbearing acreage in 2007, nonpareil almonds accounted for a third, followed by Monterey, Butte, and Padre varieties.

NASS' preliminary forecast for the 2008 almond acreage is for a 7 percent increase, to 660,000 acres. In general the weather has been reported to be pretty good for this season's almond crop. A freeze in Northern California has been reported to have caused only minor to the crop there. Damage was expected to be much greater for other tree and vine crops, especially peaches, prunes, walnut, and grapes. The Central Valley and Southern-production region have been mostly dry, but strong winds have been reported. While the trees go through a normal shedding process during the early spring, the heavy winds may be contributing to an even heavier shedding, including viable nuts that would not usually drop from the trees under optimal conditions.

Despite concerns over the availability of bees for pollination due to colony collapse disorder, California almond growers reported they had sufficient bees to pollinate their orchards this winter. Along with having enough bees, there was good weather during pollination, allowing for good bloom set. With a good crop of nuts on the trees and an increasing number of bearing acres, NASS' first forecast for the

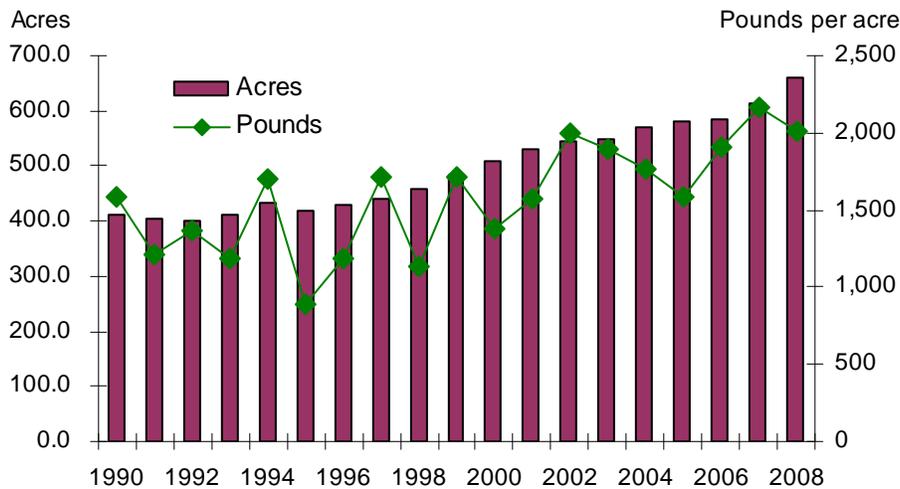
2008/09 almond crop is estimated to be 1.46 billion pounds, shelled basis. If realized, this season's crop would be another record breaker, exceeding last year's record 1.38 billion pounds by 6 percent. In May, NASS revised its forecast for the 2007 crop up 1 percent from its previous estimate of 1.36 billion pounds.

Although the industry faced a very large crop to market this past season, it has been able to increase sales, both domestically and abroad, to move much of its supplies. Domestic shipments, which account for about a third of the almonds shipped through April (the season runs August through July), were up 8 percent from the 2006/07 season, and exports, accounting for the remaining two-thirds of the shipments, increased 22 percent.

Exports to Spain, the No. 1 export market for U.S. almonds increased 50 percent from the previous season through April. A more average sized crop in Spain helped increase demand for U.S. almonds. Added to that, however, and likely more important, is the growing market for Spain's almond products in the world market. According to the Foreign Agricultural Service's Spanish agricultural attaché, California almonds and Spanish almonds are not really substitutes. The Spanish consume and market their almonds to be eaten as is. The Spanish claim almonds imported from California have a different oil content, texture, density, and taste that make them more suitable to use as a product in producing other goods, such as in making marzipan and candies.

The 2007/08 shipments were the first to be exported under the new Voluntary Aflatoxin Sampling Program (VASP) whereby shipments to Europe would be tested for aflatoxin by certified laboratories in the United States before being exported. As a result of the new program, shipments are expected to move through European ports more quickly than in the past and with fewer rejected, meaning more of the supplies shipped will reach their intended markets.

Figure 7  
**Almond bearing acreage increasing in California**



Source: USDA, NASS, *Noncitrus Fruit and Nuts Summary*, various issues.

## ***Walnut Bearing Acreage Up in 2007***

According to the NASS' *2007 California Walnut Acreage Report*, released May 23, California had 218,000 bearing acres of walnuts and another 25,000 acres not yet bearing a commercial crop last year. Most of the acreage is located in the San Joaquin and Sacramento Valleys, with bearing acreage concentrated in San Joaquin, Butte, Tulare, Stanislaus, and Sutter counties. The counties with the greatest number of nonbearing acres include Butte, San Joaquin, Sutter, Tehama, and Stanislaus. The number of nonbearing acres has been declining over the last several years, indicating that the growth in overall walnut acre, and potentially production, will be slowing in the near future. At present, the Chandler variety of walnuts occupies the greatest number of bearing acres, followed by the Hartley variety. The greatest number of nonbearing acres, however, is planted to the Chandler, Howard, and Tulare varieties.

As a result of the small crop this year, shipments have run behind last season both domestically and to international markets. Shipments of inshell walnuts were down 5 percent this September 2007 through April 2008 from the same time last season. Domestic shipments were down 12 percent and exports were down 3 percent. Domestic shipments accounted for about 17 percent of all the inshell walnuts marketed this season so far. Domestic shipments make up a much larger component of shelled walnut marketings. For the 2007/08 season, the domestic market received about 62 percent of the shelled walnuts shipped. Domestic shipments of shelled walnuts have been down 3 percent from last season through April and international shipments have been down 4 percent. In the international market, inshell walnuts shipments were up to Italy, the No. 1 market, but down to Spain and Germany the next biggest export markets. Shipments more than doubled to Turkey, making it the fourth biggest market this year.

Germany is the No. 1 market for U.S. shelled walnuts outside the United States. Its shipments were up this season, as were those to Spain, Italy, and the Netherlands. Shipments, however, to Japan, the No. 2 market fell 10 percent from September through April last season. Shipments were also down to Korea and Israel, and Australia, other big markets.

The first production forecast for the 2008 walnut crop will not be available until July. While this year would typically be a big crop year in the alternate bearing nature of the walnut trees, the freeze this year in late April was reported to have damaged walnut production, particularly in the northern counties, and can have an adverse effect on the quantity of walnuts available for marketing this season.

## Fruit and Tree Nut Trade Outlook

### *Bigger Orange and Strawberry Crops in California Help Boost This Season's Exports*

U.S. fresh orange and strawberry exports are significantly higher this season than last, with volumes through March up 54 percent and 26 percent, respectively. Bigger crops in California and resulting lower prices are helping to stimulate demand for U.S. fresh oranges and strawberries in export markets. Added to these are the positive fruit quality attributes of this season's crops such as improved sugar levels and good sizing, and also the weak U.S. dollar that is making U.S. exports cheaper for other countries. U.S. fresh orange exports this season are up to all the major markets—Canada, Japan, Hong Kong, South Korea, China, and Australia. Fresh strawberry exports to Canada, the United States' main market for the product, are up 25 percent. However, there are bigger export gains to other major markets, particularly to Mexico and Japan where the quantity of fresh strawberries sent by the United States were at least more than double those during last year's first quarter. Almost all the fresh strawberry exports this first quarter went to Canada.

U.S. exports of frozen strawberries are also strong this season, up 18 percent through March from the same time last year. While early season supplies of freezer berries delivered to processors remain below last year thus far, large ending stocks of frozen strawberries in 2007 has increased the available supplies to meet export demand during the first quarter of this year. Despite lackluster demand in Canada for U.S. frozen strawberries, exports are up sharply to Japan, South Korea, and the Bahamas, and up moderately to Mexico.

Table 18--U.S. exports of selected fruit and tree nut products

Commodity	Marketing season	Season to date (through March)		Year-to-date change
		2007	2008	
		----- 1,000 pounds -----		Percent
Fresh-market:				
Oranges	November-October	491,683	756,056	53.8
Grapefruit	September-August	566,272	501,392	-11.5
Lemons	August-July	169,503	210,825	24.4
Apples	August-July	1,065,462	1,093,137	2.6
Grapes	May-April	599,325	660,710	10.2
Pears	July-June	254,519	308,021	21.0
Peaches (including nectarines)	January-December	1,501	1,849	23.2
Straw berries	January-December	40,514	50,860	25.5
Cherries	January-December	23	630	2626.3
		----- 1,000 sse gallons 1/ -----		
Processed:				
Orange juice, frozen concentrate	October-September	14,155	15,855	12.0
Orange juice, not-from-concentrate	October-September	32,496	49,514	52.4
Grapefruit juice	October-September	7,884	7,223	-8.4
Apple juice and cider	August-July	4,728	5,864	24.0
Wine	January-December	24,640	29,538	19.9
		----- 1,000 pounds -----		
Raisins	August-July	169,360	210,064	24.0
Canned pears	June-May	18,220	12,129	-33.4
Canned peaches	June-May	35,980	57,088	58.7
Frozen straw berries	January-December	6,876	8,080	17.5
		----- 1,000 pounds -----		
Tree nuts:				
Almonds (shelled basis)	August-July	616,336	696,505	13.0
Walnuts (shelled basis)	August-July	121,081	167,585	38.4
Pecans (shelled basis)	October-September	23,766	32,754	37.8
Pistachios (shelled basis)	September-August	31,809	47,246	48.5

1/ Single-strength equivalent.

Source: U.S. Department of Commerce, U.S. Census Bureau trade data.

### ***Lower Shipments From Chile Drive Grape Imports Down, Peach Imports Up This Season***

U.S. fresh grape imports for this season through March are down 7 percent from the same time in 2006/07, declining from many countries but most importantly from Chile—the No. 1 U.S. source for imported grapes. Chile’s shipping season runs from November through April, the off-season for U.S. grapes. Imports from Chile this winter posted a 21-percent decline, mostly as a result of record cold temperatures that caused crop delays in all of the country’s grape production regions and rains that curtailed late-season volumes, limiting availability of supplies for export. Imports were also down from Brazil, Italy, Republic of South Africa, and Argentina.

U.S. fresh grape imports from Mexico, which represent most of the volume during the earlier part of the season, were up considerably despite increased domestic table grape production in 2007. Due to better weather conditions and improved yields, a significantly bigger crop in Mexico made it feasible to export so much more to the United States, the country’s primary export market, during the marketing year 2007/08 (May-April) compared with the previous season. Early indications are that Mexico’s 2008/09 crop has progressed well, showing a good set and promotable quality. While this could mean ample supplies available for export to the United States during the 2008/09 season, initial shipments (through mid-May) to the U.S. market are running behind last season by over 30 percent, based on AMS shipment data. This may just be due to timing of the crop as Mexican grape supplies are expected to come in heavily in the weeks ahead.

Similar to Chile’s grape crop, freezing temperatures and spring rains also delayed the maturity of most of the country’s stone fruit crops, resulting in lower shipments to the United States during the early part of their shipping season. Frost damage is reported to have had the most impact on Chile’s plum crop, reducing overall shipments for the season. The slow maturity of the stone fruit crops, however, helped increase fruit sugar levels and size, attributes that make for a better quality fruit that help promote increased demand. Most of Chile’s stone fruit crops are produced for the export market, with the United States as a top destination. Although down 15 percent in January from a year ago, shipment volumes for peaches (including nectarines) caught up considerably the next couple of months, driving up overall first-quarter imports. Not presented on table 19, plum imports through March were down 24 percent.

U.S. lime imports are barely changed through March, declining only less than 1 percent from the same time last year. Shipments from Mexico accounted for most of the volume and rose only fractionally. Shipments from relatively smaller suppliers in South and Central America declined sharply, making a bigger impact on overall first-quarter supplies. Domestic demand for imported pecan nuts is very strong in 2007/08. Despite having the largest U.S. pecan crop since the turn of the new millennium, supplies were pressured down somewhat by a 13-percent drop in 2007/08 beginning stocks from the previous season. U.S. imports of pecans this season through March are up 22 percent, increasing sharply from Mexico, the primary source, and the Republic of South Africa.

Table 19--U.S. imports of selected fruit and tree nut products

Commodity	Marketing season	Season to date (through March)		Year-to-date change
		2007	2008	
		----- 1,000 pounds -----		Percent
Fresh-market:				
Oranges	November-October	71,027	18,385	-74.1
Tangerines (including clementines)	October-September	194,507	143,270	-26.3
Lemons	August-July	79,428	128,603	61.9
Limes	January-December	167,525	166,489	-0.6
Apples	August-July	121,357	133,294	9.8
Grapes	May-April	1,114,327	1,028,660	-7.7
Pears	July-June	137,269	107,431	-21.7
Peaches (including nectarines)	January-December	118,129	122,163	3.4
Bananas	January-December	2,226,596	2,184,562	-1.9
Mangoes	January-December	109,455	156,959	43.4
		----- 1,000 case gallons 1/ -----		
Processed:				
Orange juice, frozen concentrate	October-September	175,019	221,553	26.6
Apple juice and cider	August-July	313,883	368,459	17.4
Wine	January-December	55,054	51,377	-6.7
		----- 1,000 pounds -----		
Canned pears	June-May	65,312	61,915	-5.2
Canned peaches (including nectarines)	June-May	142,300	161,203	13.3
Canned pineapple	January-December	187,729	215,795	15.0
Frozen straw berries	January-December	58,924	59,482	0.9
		----- 1,000 pounds -----		
Tree nuts:				
Brazil nuts (shelled basis)	January-December	5,877	3,263	-44.5
Cashew s (shelled basis)	January-December	63,057	60,809	-3.6
Pine nuts (shelled basis)	January-December	2,153	3,013	39.9
Pecans (shelled basis)	October-September	39,605	48,407	22.2

1/ Single-strength equivalent.

Source: U.S. Department of Commerce, U.S. Census Bureau trade data.

## Contacts and Links

### Contact Information

Agnes Perez (Noncitrus and tropical fruit), (202) 694-5255, [acperez@ers.usda.gov](mailto:acperez@ers.usda.gov)  
Susan Pollack (Citrus fruit and tree nuts), (202) 694-5251, [pollack@ers.usda.gov](mailto:pollack@ers.usda.gov)

### Subscription Information

Subscribe to ERS' e-mail notification service at <http://www.ers.usda.gov/updates/> to receive timely notification of newsletter availability. Printed copies can be purchased from the National Technical Information Service by calling 1-800-999-6779 (specify the issue number or series SUB-FTS-4036).

### E-mail Notification

Readers of ERS outlook reports have two ways they can receive an e-mail notice about release of reports and associated data.

- Receive timely notification (soon after the report is posted on the web) via USDA's Economics, Statistics and Market Information System (which is housed at Cornell University's Mann Library). Go to <http://usda.mannlib.cornell.edu/MannUsda/aboutEmailService.do> and follow the instructions to receive e-mail notices about ERS, Agricultural Marketing Service, National Agricultural Statistics Service, and World Agricultural Outlook Board products.

- Receive weekly notification (on Friday afternoon) via the ERS website. Go to <http://www.ers.usda.gov/Updates/> and follow the instructions to receive notices about ERS outlook reports, Amber Waves magazine, and other reports and data products on specific topics. ERS also offers RSS (really simple syndication) feeds for all ERS products. Go to <http://www.ers.usda.gov/rss/> to get started.

### Data

The *Fruit and Tree Nuts Situation and Outlook Yearbook* has over 130 tables of annual or monthly time-series data on specific fruit commodities. Data include bearing acreage, production, prices, trade, per capita use, and more. To order a copy call 1-800-999-6779.

### Related Websites

Fruit and Tree Nuts Briefing Room,  
<http://www.ers.usda.gov/Briefing/FruitAndTreeNuts/>

Organic Farming and Marketing  
<http://www.ers.usda.gov/Briefing/Organic/>

Vegetable and Melons Briefing Room  
<http://www.ers.usda.gov/Briefing/Vegetables/>

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and, where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.