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AN OVERVIEW OF MEXICO'S CITRUS INDUSTRY

BY

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Introduction

This report looks at Mexico's citrus industry and its relationship to the United States. Information on Mexico's citrus production, utilization and trade are discussed. Mexico's location adjoining the southwestern United States makes it a natural trading partner. This situation was enhanced with the passage of the North American Free Trade Agreement in December 1992, which gradually reduced tariffs on Mexican citrus exported to the U.S. starting in 1994. By 2003, all tariffs on fresh fruit and grapefruit juice (GJ) were eliminated and tariffs on orange juice (OJ) will be eliminated in 2008. The elimination of these trade barriers has helped to stimulate Mexico's citrus industry and trade with the U.S.

Orange Production

According to the USDA-FAS, the number of hectares in Mexico planted in orange trees has increased 47.8% over the last 16 years. In 1989-90, there were 226,000 hectares compared to a projected 334,000 hectares (824,900 acres) for the 2005-06 season (Table 1). As a result of the heavy plantings, the number of bearing orange-trees has more than doubled from 32.0 million trees in 1989-90 to a projected 66.3 million trees in 2005-06. In comparison, Florida had 75.1 million bearing trees in 2004-05.¹

* Prepared by Juan D. Castro-Anzola, Graduate Research Assistant, Food and Resource Economics Department, University of Florida, Gainesville, Florida, March 22, 2006. (Staff Report 2006-2).

¹ Florida Agricultural Statistics Service (FASS), Citrus April 2005 Forecast.

The production of oranges in Mexico has shown significant growth since 1989-90, when 46.5 million boxes were harvested. In the 2004-05 season, Mexico had a record-high production of 105.3 million boxes (Table 2). The USDA estimated that orange production in 2005-06 will be 95.5 million boxes. In the last 16 years, fresh domestic orange consumption in Mexico has averaged approximately 87% of the total production. Excess production is exported to international markets, primarily the United States, mostly in the form of juice.

Orange Juice

Mexico OJ production has fluctuated considerably since 1988-89. In 2003-04 Mexico produced 27.99 million single strength equivalent (SSE) gallons. In 2004-05 production increased significantly to 90.52 million SSE gallons. The USDA expects production to decrease by 35.4% in 2005-06 to 58.49 million SSE gallons (Table 3). Domestic consumption of OJ in Mexico has risen from 1.69 million SSE gallons in 1988-89 to an estimated 6.96 million SSE gallons for the 2005-06 season, which represents an increase of 311.8%.

The majority of OJ produced in Mexico is exported to the U.S. While Mexico's domestic consumption of OJ has increased, it remains a small share of production. Annual per capita OJ consumption in Mexico is less than .1 gallon. In contrast, the U.S. per capita consumption is nearly 5 gallons.

U.S. imports of OJ from Mexico have varied since the 1990s, ranging from a high of 68.7 million SSE gallons in 1995 to a low of 5.9 million SSE gallons in 2003 (Table 4). U.S. imports of OJ from Mexico increased to 12.9 million SSE gallons in 2004 and

58.7 million SSE gallons in 2005. Mexico accounted for 5.4% of total U.S. OJ imports in 2004, and 16.5% in 2005.

Mexico is a net exporter of OJ to the U.S. but does import a small amount. U.S. exports of OJ to Mexico peaked in 2000 at 3.7 million SSE gallons. By 2004 and 2005 that figure had declined to 999 thousand SSE gallons and 965 thousand SSE gallons, respectively (Table 5). In 2005, the Mexican market represented 0.8% of the total U.S. exports of orange juice.

U.S. net imports of OJ from Mexico decreased from 35.8 million SSE gallons in 2002 to 4.4 million SSE gallons in 2003, an 87.5 % decrease (Table 6). Then, 11.8 million OJ SSE gallons were imported from Mexico in 2004 and 57.7 million SSE gallons in 2005. From 2004 to 2005, U.S. net imports from Mexico represented an increase of 385.9%.

Fresh Oranges

Typically, over 80 percent of Mexico's fresh orange production is destined for their fresh market. Fresh orange consumption in Mexico is over 70 pounds per capita compared to 11 pounds in the U.S. Mexico's fresh citrus exports to the U.S. are limited by the presence of the fruit fly in Mexico. Almost all of Mexico's production not consumed in their fresh market goes into processing. U.S. imports of fresh oranges from Mexico have fluctuated over the last 16 years from a high of 112.8 million pounds in 1999 to a low of 3.6 million pounds in 1994 (Table 7). In 2003, the U.S imported 14.3 million pounds of oranges from Mexico, but imports increased to 24.5 million pounds in 2004 and 23.6 million pounds in 2005. Since 1990, U.S exports of fresh oranges to

Mexico have increased dramatically from 3.4 million in 1990 to 50.4 million in 2005, representing a 1,379.9% increase (Table 8). In 2003, a record high 59.8 million pounds of oranges were exported to Mexico. In 2005, Mexico represented 3.6% of the total U.S. fresh citrus exports. Nonetheless, Mexico's fresh orange imports from the U.S. are still a small portion of their total domestic consumption.

Grapefruit Production

The number of hectares planted with grapefruit in Mexico has been increasing since the 1989-90 season, when there were 5,000 hectares. The USDA-FAS forecasts 18,230 hectares (45,028 acres) for the 2005-06 season, an increase of 265% since 1989-90 (Table 9). The total number of grapefruit trees is predicted to be 3.4 million for 2005-06. Of those trees, 3 million are expected to be bearing trees. Mexico's grapefruit tree population has increased by almost .5 million grapefruit trees from 2001-02 season through 2005-06.

Mexico's production of grapefruit has tripled since the early 1990's. Production in 2003-04 was 10.6 million boxes and the preliminary production in 2005-06 was 8.6 million boxes (Table 10). Over the last 16 years, fresh domestic consumption of grapefruit has averaged 78.3% of total grapefruit production.

Grapefruit Juice

Florida's hurricanes in 2004 and 2005 and the resulting decline in U.S. production of grapefruit and GJ have stimulated Mexican GJ exports. In 2004, Mexico exported a record high 4.9 million SSE gallons of GJ to the U. S. accounting for 69.2% of

the total U.S. GJ imports (Table 11). In 2005, Mexico exported 4.3 million SSE gallons to the U.S. accounting for 69.5 % of total U.S. GJ imports. Given the continuing short GJ supply in the U.S. and high prices, U.S. imports of GJ from Mexico would be expected to remain relatively high in the near future.

U.S. exports of GJ to Mexico have been relatively insignificant in terms of both quantity and percent of exports. Mexico's imports of U.S. grapefruit juice in 2005 totaled 252 thousand SSE gallons, the majority of which was single strength which appears to be establishing a small but growing market in Mexico (Table 12).

Fresh Grapefruit

Since 1990, Mexico's exports of fresh grapefruit to the U.S. have varied from 0 to a record high of 3.4 million pounds in 2004. U.S. imports of fresh grapefruit from Mexico increased by 1,259% from 254 thousand pounds in 2003 to 3.4 million pounds in 2004 (Table 7).

In 2005, U.S. exports of fresh Grapefruit to Mexico were at a record high of 14 .1 million pounds. This figure represents an increase of 331.6% from the previous year. In 2005, fresh grapefruit accounted for 21.8% of the total fresh citrus exports to Mexico (Table 8). It is important to note that Mexico's fresh grapefruit imports from the U.S. are small relative to domestic consumption.

Fresh Tangerines

According to the United Nations, Food & Agricultural Organization (FAO), the number of tangerine hectares harvested in Mexico increased by 264%, from 7,420 (ha) in

1989 to an estimated 27,000 (ha) in 2005. In addition, Mexico's production of tangerines (including mandarins) has grown by four-fold in the last 16 years. In 2005, FAO estimated Mexico's production of tangerines (including mandarins) at 794 million pounds compared to 197 million pounds in 1989.

In 2004, the U.S. imported 9.6 million pounds of fresh tangerines, an increase of 36.5% from the 7 million pounds in 2003 (Table 7). There has been a relatively stable number of fresh tangerines imported in the U.S. since 1992. In 2005, U.S. imports of tangerines from Mexico slightly decreased by 5.1% to 9.1 million pounds.

In 1990, U.S. exports of tangerines to Mexico were 85 thousand pounds. In 2004, the U.S. realized a 696% increase of tangerine exports to Mexico, but, in 2005, U.S. exports of tangerines to Mexico decreased by 83.2% to 113.6 thousand pounds.

Summary and Conclusions

The devastating hurricane seasons in 2004 and 2005 in the U.S. as well as the elimination of tariff trade barriers on fresh fruit and grapefruit juice have helped to stimulate Mexico's citrus industry. Plantings of orange and grapefruit trees in Mexico have trended upward since the 1989-90 season resulting in increases in orange, grapefruit and tangerine production. Since 2003, Mexico's OJ shipments to the U.S. have increased, accounting for 16.5% of U.S. orange imports in 2005. Net U.S. imports of orange juice from Mexico also increased by 385% in 2005. Most U.S. fresh citrus imports from Mexico are tangerines and oranges although grapefruit has increased in the past 5 years. The percentage of grapefruit going to processing has also increased, totaling 33.9% in 2005.

Mexico may become a bigger trading partner with the U.S. in the citrus industry. The growth of Mexico's industry will also depend on the U.S. citrus prices in the U.S. in addition to the increased demand for citrus products in both countries.

Table 1. Orange Trees in Mexico, 1989-90 through 2005-06F.

Season Dec-Nov	Area Planted	Area Harvested	Bearing trees	Non-Bearing Trees	Total Orange Trees
	------(HA)-----		------(1,000 Trees)-----		
1989-90	226,000	160,000	32,000	13,200	45,200
1990-91	235,000	170,000	34,000	14,000	48,000
1991-92	240,000	185,000	37,000	12,000	49,000
1992-93	286,000	240,000	48,000	9,200	57,200
1993-94	286,000	260,000	50,000	7,200	57,200
1994-95	300,000	273,000	55,000	3,000	58,000
1995-96	310,000	280,000	56,800	6,000	62,800
1996-97	316,000	307,000	62,100	1,820	63,920
1997-98	330,180	305,750	61,760	4,930	66,690
1998-99	323,869	299,387	60,476	4,945	65,421
1999-00	332,443	294,521	60,671	7,586	68,257
2000-01	340,805	324,816	65,612	3,230	68,842
2001-02	349,237	334,767	67,623	2,923	70,546
2002-03	355,387	329,942	66,648	5,089	71,737
2003-04	349,705	334,274	67,523	3,117	70,640
2004-05	334,000	330,000	66,660	810	67,470
2005-06F	334,000	328,000	66,256	1,212	67,468

Source: USDA-FAS

F: Forecast

Table 2. Mexico Orange Production, Imports, Exports, Fresh Domestic Consumption and Processing, 1989-90 through 2005-06F.

Season	Production	Imports	Exports	Fresh Domestic Consumption	Processing	% Processed from Total Production
	-----1,000 (90 lb/box)-----					---%---
1989-90	46,541.6	73.5	73.5	35,028.6	11,512.9	24.7
1990-91	56,339.8	24.5	612.4	46,198.6	9,553.3	17.0
1991-92	53,890.2	24.5	245.0	49,995.4	3,674.3	6.8
1992-93	71,355.6	24.5	73.5	65,182.7	6,123.9	8.6
1993-94	77,748.9	24.5	49.0	69,395.9	8,328.5	10.7
1994-95	87,449.1	24.5	245.0	68,857.0	18,371.7	21.0
1995-96	87,939.0	269.5	196.0	76,989.5	11,023.0	12.5
1996-97	95,949.1	342.9	269.5	84,999.6	11,023.0	11.5
1997-98	81,594.7	489.9	220.5	64,717.3	17,146.9	21.0
1998-99	71,110.6	465.4	1,224.8	59,254.7	11,096.5	15.6
1999-00	82,917.5	783.9	269.5	73,388.7	10,043.2	12.1
2000-01	95,165.2	759.4	465.4	85,661.0	9,798.2	10.3
2001-02	98,472.1	661.4	440.9	90,364.1	8,328.5	8.5
2002-03	91,466.4	955.3	171.5	90,290.6	1,959.6	2.1
2003-04	95,557.2	440.9	318.4	90,780.5	4,899.1	5.1
2004-05	105,330.9	489.9	489.9	89,408.8	15,922.1	15.1
2005-06F	95,532.7	440.9	489.9	85,195.5	10,288.1	10.8

Source: USDA-FAS
F: Forecast

Table 3. Mexico Orange Juice Production, 1988-89 through 2005-06F.

Season	Beginning Stocks	Production	Imports	Exports	Domestic Consumption	Ending Stocks
-----Million SSE gallons-----						
1988-89	0.00	46.95	0.33	45.59	1.69	0.00
1989-90	0.00	41.78	0.00	39.34	2.44	0.00
1990-91	0.00	54.31	0.00	52.36	1.95	0.00
1991-92	0.00	19.50	0.00	9.05	2.79	6.96
1992-93	6.96	30.64	0.00	37.60	2.79	6.96
1993-94	6.96	50.13	0.00	54.31	2.79	0.00
1994-95	0.00	90.52	0.39	83.56	3.18	4.18
1995-96	4.18	62.67	0.00	58.49	4.18	4.18
1996-97	4.18	62.67	0.00	58.91	4.46	4.18
1997-98	4.18	97.48	0.00	89.13	4.32	8.22
1998-99	8.22	63.08	0.00	62.67	4.46	4.18
1999-00	4.18	57.10	0.00	52.64	4.46	4.18
2000-01	4.18	56.40	1.07	52.78	4.69	4.18
2001-02	4.18	47.35	0.99	42.77	5.57	4.18
2002-03	4.18	11.14	0.28	5.57	5.85	1.39
2003-04	1.39	27.99	0.86	22.33	6.52	1.39
2004-05	1.39	90.52	0.86	81.91	6.68	4.18
2005-06F	4.18	58.49	0.86	52.39	6.96	4.18

Source: USDA-FAS
F: Forecast

Table 4. U.S. imports of orange juice, by form, from Mexico, 1990 through 2005.

Year	U.S. OJ Imports from Mexico				Mexico % of U.S. Total	TOTAL U.S. OJ Imports
	FCOJ	NFC	Other	Total		
	----- SSE gallons -----				--%--	-SSE gallons-
1990	44,807,068	14,021,200	4,440,581	63,268,849	13.4	472,106,040
1991	46,488,511	2,856,351	0	49,344,862	15.1	326,829,244
1992	5,821,624	765,210	1,321	6,588,155	2.4	276,881,566
1993	20,312,018	624,247	1,969	20,938,234	6.0	348,619,440
1994	43,596,068	2,288,205	21,364	45,905,637	11.8	387,809,136
1995	63,581,458	5,092,931	35,416	68,709,805	36.4	188,646,067
1996	46,129,714	3,551,054	16,850	49,697,618	17.6	281,604,403
1997	48,285,607	2,653,191	6,122	50,944,920	20.0	254,212,897
1998	66,486,505	1,282,507	18,949	67,787,961	22.7	299,054,084
1999	45,439,966	2,702,244	475,431	48,617,641	13.7	354,833,557
2000	42,214,449	1,263,177	7,834	43,485,460	13.6	320,254,824
2001	36,382,710	1,091,397	18,951	37,493,058	15.5	242,228,112
2002	34,827,846	2,278,664	12,200	37,118,710	19.4	191,373,578
2003	5,122,978	800,034	7,988	5,931,000	2.1	284,536,563
2004	11,297,978	1,574,512	6,115	12,878,605	5.4	238,069,743
2005	56,068,380	2,536,762	95,416	58,700,559	16.5	355,506,130

Source: US Department of Commerce

Table 5. U.S. exports of orange juice, by form, to Mexico, 1990 through 2005.

Year	U.S. OJ Exports to Mexico				Mexico % of U.S. Total	TOTAL U.S. OJ Exports
	FCOJ	SSOJ	Other	Total		
	-----SSE gallons-----				--%--	-SSE gallons-
1990	443,963	0	32,225	476,188	0.5	93,348,329
1991	129,110	0	89,506	218,616	0.2	96,886,395
1992	296,560	0	244,751	541,311	0.5	105,090,802
1993	65,872	0	270,882	336,754	0.3	114,664,877
1994	120,927	230,388	438,855	790,170	0.7	108,637,122
1995	86,832	34,959	160,576	282,367	0.2	116,999,941
1996	643,869	27,325	384,983	1,056,177	0.9	117,445,316
1997	181,348	89,020	493,396	763,764	0.5	149,924,958
1998	194,421	180,420	1,470,837	1,845,678	1.2	148,305,948
1999	221,278	83,667	1,702,483	2,007,428	1.3	150,033,446
2000	856,863	103,670	2,717,946	3,678,479	2.6	142,647,579
2001	177,035	173,634	867,328	1,217,997	1.0	118,714,754
2002	129,953	255,046	905,208	1,290,207	0.7	177,402,006
2003	264,668	365,260	831,690	1,461,618	1.3	116,547,979
2004	141,863	387,020	469,625	998,508	0.8	124,529,108
2005	297,070	410,347	257,217	964,634	0.8	115,498,691

Source: Department of Commerce

Table 6. U.S. Imports and Exports of Orange Juice, 1990 through 2005.

Year	MEXICO			Total U.S.		
	U.S. Imports from Mexico	U.S. Exports to Mexico	Net U.S imports from Mexico	Imports	Exports	Net Imports
----- SSE gallons -----						
1990	63,268,849	476,188	62,792,661	472,106,040	93,348,329	378,757,711
1991	49,344,862	218,616	49,126,246	326,829,244	96,886,395	229,942,849
1992	6,588,155	541,311	6,046,844	276,881,566	105,090,802	171,790,764
1993	20,938,234	336,754	20,601,480	348,619,440	114,664,877	233,954,563
1994	45,905,637	790,170	45,115,467	387,803,136	108,637,122	279,166,014
1995	68,709,805	282,367	68,427,438	188,646,067	116,999,941	71,646,126
1996	49,697,618	1,056,177	48,641,441	281,604,403	117,445,316	164,159,087
1997	50,944,920	763,764	50,181,156	254,212,897	149,924,958	104,287,939
1998	67,787,961	1,845,678	65,942,283	299,054,084	148,305,948	150,748,136
1999	48,617,641	2,007,428	46,610,213	354,833,557	150,033,446	204,800,111
2000	43,485,460	3,678,479	39,806,981	320,254,824	142,647,579	177,607,245
2001	37,493,058	1,217,997	36,275,061	242,228,112	118,714,754	123,513,358
2002	37,118,710	1,290,207	35,828,503	191,373,578	177,402,006	13,971,572
2003	5,931,000	1,461,618	4,469,382	284,536,563	116,547,979	167,988,584
2004	12,878,605	998,508	11,880,097	238,069,743	124,529,108	113,540,635
2005	58,700,559	964,634	57,735,925	355,506,130	115,498,691	240,007,439

Source: U.S. Department of Commerce.

Table 7. U.S. imports of fresh grapefruit, tangerines, and oranges from Mexico, 1990 through 2005.

Year	Grapefruit	Tangerines and Mandarins	Oranges	TOTAL Fresh Imports From Mexico	% Fresh From Mexico	Total U.S. Fresh Citrus Imports
	----- lbs-----				---%---	---- lbs----
1990	73,519	27,245,265	7,552,974	34,871,758	39.6	87,952,031
1991	1,313,397	19,259,208	57,432,803	78,005,408	36.8	211,720,114
1992	0	17,027,365	4,824,411	21,851,776	25.7	85,119,030
1993	0	8,916,125	3,753,946	12,670,071	14.2	89,402,040
1994	56,001	8,904,937	3,585,572	12,546,510	11.3	111,240,191
1995	0	8,450,734	17,534,013	25,984,747	22.6	115,176,295
1996	0	5,722,943	16,827,834	22,550,777	15.9	141,862,990
1997	0	9,255,297	23,061,479	32,316,776	17.1	189,436,133
1998	0	6,313,747	17,837,303	24,151,050	12.0	201,560,061
1999	0	8,719,993	112,819,849	121,539,842	27.1	447,788,300
2000	1,429	9,551,694	17,179,690	26,732,813	7.9	337,101,794
2001	0	8,605,158	33,609,194	42,214,352	12.2	344,670,855
2002	72,642	8,080,650	36,301,602	44,454,894	14.0	317,437,562
2003	254,083	7,021,911	14,324,971	21,600,965	5.6	383,047,867
2004	3,454,231	9,591,816	24,476,938	37,522,985	10.9	345,464,830
2005	1,115,722	9,101,149	23,555,721	33,772,591	8.6	394,456,327

Source: U.S. Department of Commerce.

Table 8. U.S. exports of fresh oranges, grapefruit and tangerines to Mexico, 1990 through 2005.

Year	Oranges	Grapefruit	Tangerines	TOTAL Fresh Citrus Exports to Mexico	Mexico % of Total Exports	TOTAL U.S. Fresh Citrus Exports
	----- lbs-----				---%---	----- lbs-----
1990	3,404,891	345,635	85,202	3,835,728	0.2	1,877,670,986
1991	266,039	76,351	184,959	527,349	0.0	1,532,873,325
1992	164,092	48,452	2,762	215,306	0.0	995,284,146
1993	252,713	170,660	50,900	474,273	0.0	2,225,716,054
1994	3,389,560	391,744	0	3,781,304	0.3	1,102,613,162
1995	3,014,262	3,825,969	3,726	6,843,957	0.3	2,383,837,547
1996	8,568,839	2,304,239	0	10,873,078	0.5	2,229,801,786
1997	11,594,730	2,599,129	107,707	14,301,566	0.6	2,471,901,505
1998	15,047,732	796,808	21,429	15,865,969	0.7	2,278,419,959
1999	13,998,702	303,289	170,760	14,472,751	1.0	1,487,890,253
2000	19,364,463	165,606	168,848	19,698,917	0.9	2,135,513,799
2001	26,156,512	622,886	33,563	26,812,961	1.3	2,052,886,044
2002	36,555,232	1,220,670	421,397	38,197,299	1.8	2,085,890,700
2003	59,754,502	694,245	310,904	60,759,651	2.7	2,268,258,171
2004	29,415,619	3,271,824	678,707	33,366,150	1.6	2,125,384,347
2005	50,391,916	14,122,412	113,658	64,627,986	3.6	1,789,366,780

Source: U.S. Department of Commerce

Table 9. Grapefruit Trees in Mexico, 1989-90 through 2005-06F.

Season Dec-Nov	Area Planted	Area Harvested	Bearing trees	Non-Bearing Trees	Total Grapefruit Trees
	------(HA)-----		------(1,000 Trees)-----		
1989-90	5,000	4,000	864	312	1,176
1990-91	6,000	4,000	860	325	1,185
1991-92	6,000	5,000	870	300	1,170
1992-93	8,000	6,000	1,020	340	1,360
1993-94	9,000	8,000	1,513	70	1,583
1994-95	9,000	8,000	1,496	87	1,583
1995-96	11,200	10,213	1,920	185	2,105
1996-97	11,592	9,893	1,860	320	2,180
1997-98	11,508	9,590	1,803	359	2,162
1998-99	12,000	9,600	1,804	451	2,255
1999-00	13,000	12,800	2,406	376	2,782
2000-01	14,626	13,222	2,485	263	2,748
2001-02	15,877	14,368	2,701	284	2,985
2002-03	17,039	14,088	2,648	554	3,202
2003-04	18,000	16,778	3,154	267	3,421
2004-05	18,210	16,700	3,139	283	3,422
2005-06F	18,230	16,000	3,008	419	3,427

Source: USDA-FAS

F: Forecast

Table 10. Mexico Grapefruit Production, Imports, Exports, Fresh Domestic Consumption and Processing, 1989-90 through 2005-06F.

Season	Production	Imports	Exports	Fresh Domestic Consumption	Processing	% Processed from Total Production
		-----1,000 (85lb/box)-----				----%---
1989-90	2,464.0	0.0	51.9	1,634.0	778.1	31.6
1990-91	2,593.6	0.0	25.9	1,711.8	855.9	33.0
1991-92	2,853.0	0.0	25.9	2,049.0	778.1	27.3
1992-93	3,060.5	0.0	25.9	2,178.7	855.9	28.0
1993-94	2,904.9	0.0	25.9	1,997.1	881.8	30.4
1994-95	4,149.8	25.9	25.9	3,242.1	907.8	21.9
1995-96	6,354.4	25.9	77.8	5,265.1	1,037.5	16.3
1996-97	5,757.9	25.9	77.8	4,979.8	881.8	15.3
1997-98	4,357.3	25.9	77.8	3,657.0	648.4	14.9
1998-99	4,279.5	25.9	103.7	3,579.2	622.5	14.5
1999-00	6,224.8	233.4	51.9	5,576.3	830.0	13.3
2000-01	8,299.7	233.4	181.6	7,314.1	881.8	10.6
2001-02	7,703.1	207.5	129.7	6,873.2	907.8	11.8
2002-03	7,288.1	311.2	181.6	6,406.3	1,011.5	13.9
2003-04	10,608.0	233.4	259.4	8,792.5	1,789.6	16.9
2004-05	9,337.1	233.4	285.3	6,380.4	2,904.9	31.1
2005-06F	8,559.0	233.4	207.5	5,680.1	2,904.9	33.9

Source: USDA-FAS
F: Forecast

Table 11. U.S. imports of grapefruit juice, by form, from Mexico, 1990 through 2005.

Year	U.S. GJ Imports from Mexico			Mexico % of Total	TOTAL U.S. GJ Imports
	NFC	Other	Total		
	-----SSE gallons-----			--%--	-SSE gallons-
1990	9,949	970,736	980,685	19.3	5,074,117
1991	1,685	948,200	949,885	49.3	1,924,872
1992	0	1,656,198	1,656,198	50.6	3,275,323
1993	0	657,960	657,960	37.6	1,750,318
1994	0	156,727	156,727	19.8	792,841
1995	0	43,227	43,227	4.9	888,058
1996	2,852	7,641	10,493	2.1	505,721
1997	4,753	333	5,086	2.6	195,357
1998	7,051	951	8,002	4.4	181,766
1999	18,588	912,736	931,324	51.3	1,816,880
2000	1,426	298,165	299,591	8.1	3,706,568
2001	28,732	0	28,732	4.4	658,719
2002	0	26,227	26,227	7.4	356,285
2003	9,168	105,547	114,715	24.5	468,904
2004	1,134,497	3,840,630	4,975,127	69.2	7,193,364
2005	133,819	4,233,561	4,367,381	69.5	6,282,722

Source: U.S. Department of Commerce

Table 12. U.S. exports of Grapefruit juice, by form, to Mexico, 1990 through 2005.

Year	U.S. GJ Exports to Mexico				Mexico % of Total	TOTAL U.S. GJ Exports
	Conc. GJ	SSGJ	Other GJ	Total		
	----- SSE gallons -----				--%--	-SSE gallons-
1990	7,249	0	12,751	20,000	0.1	16,321,487
1991	0	0	6,766	6,766	0.0	16,752,038
1992	0	0	20,770	20,770	0.1	23,358,043
1993	17,187	0	95,202	112,389	0.5	21,432,949
1994	12,979	0	164,388	177,367	1.0	18,500,115
1995	142,202	0	70,389	212,591	1.0	21,493,488
1996	85,889	0	46,078	131,967	0.6	23,726,469
1997	78,425	0	4,148	82,573	0.4	21,572,239
1998	184,732	0	31,124	215,856	1.3	17,257,541
1999	302,042	0	29,685	331,727	1.3	26,186,190
2000	1,095,720	0	88,132	1,183,852	3.3	35,930,798
2001	48,526	0	29,955	78,481	0.2	36,772,625
2002	28,562	264	0	28,826	0.1	36,907,779
2003	8,066	42,386	0	50,452	0.1	41,252,722
2004	34,016	207,351	0	241,367	0.6	40,445,801
2005	28,372	224,102	0	252,474	1.3	19,626,005

Source: U.S. Department of Citrus