

## **RESEARCH PAPER: 2006-8**

# **MEXICO GRAPEFRUIT PRODUCTION, UTILIZATION AND TRADE**

BY

**Ledia Guci**

Graduate Research Assistant

FLORIDA DEPARTMENT OF CITRUS

Economic and Market Research Department

P.O. Box 110249

Gainesville, Florida 32611-2049 USA

Phone: 352-392-1874

Fax: 352-392-8634

Email: [lguci@ufl.edu](mailto:lguci@ufl.edu)

**[www.floridajuice.com](http://www.floridajuice.com)**

## Mexico Grapefruit Production, Utilization and Trade\*

This report provides production, utilization and trade data regarding Mexico's grapefruit industry and an in-depth look into the Mexico's share growth for both fresh and processed products. Mexico as a major grapefruit producer competes directly with the U.S grapefruit industry, in particular with Florida as a U.S domestic production leader.

The data provided by the United Nation's Food and Agriculture Organization (FAO), suggests that Mexico's grapefruit production grew relatively rapidly from the 1990's to the 2000 (Table 1). The years 1995 to 2000, average the highest annual grapefruit production growth rate of 10.4%. During the year 2001 Mexico's grapefruit production more than tripled compared to the early 1990's. However, Mexico's grapefruit production has been declining over the last five years, primarily due to adverse weather conditions.

Mexico's share of the world grapefruit production has increased throughout time, from 2.7% in 1990 to 7.4% in 2005 (Table 2). In 2005, Mexico was the second largest grapefruit producer following the U.S as the world's leading grapefruit producer. Israel, Cuba, and South Africa were the next biggest producers, based on FAO data.

Tables 3a, 3b, and 3c show Mexico's fresh grapefruit production and utilization, in metric tons, as a percentage of its total supply, and as a share of the world's production, respectively. Fresh grapefruit domestic consumption represents the largest portion of Mexico's grapefruit supply, based on USDA data. The fresh grapefruit domestic consumption has increased from 71.8% of its supply in 1991-92 to 86.9% in 2001-02. In the last three years the domestic consumption has declined to roughly 70%. Processed grapefruit, on the other hand, has accounted for 27.3% of the supply in 1991-92, decreasing over time to 11.5% in 2001-02, and increasing to about 30% in the more recent years. Mexico's share of the world's fresh grapefruit exports has slightly increased over time, while Mexico's share of the world's processed grapefruit has increased from 2.1% in 1991-92 to 11.9% in 2005-06. Mexico's fresh domestic consumption share of the world has increased from 5.9% to 8.0% fluctuating over this period of time.

Tables 4a, 4b, and 4c show U.S. grapefruit utilization relative to its total supply and the world's utilization for comparison purposes. Additional information on grapefruit utilization is provided in the Appendix tables for some selected countries.

Mexico's fresh grapefruit and grapefruit juice exports have grown significantly over time; however, the data provided by FAO show high variation in growth for this period of time. Mexico's fresh grapefruit exports in 2004 double the exports level in 1990

---

\* Prepared by Ledia Guci, Food and Resource Economics Department, University of Florida, FDOC-EMRD Staff Report # 2006-15, December 2006.

(Table 5), from 561 MT in 1990 to 11, 105 MT in 2004. Mexico's single-strength-grapefruit-juice exports in 2004 grew from 1,453 MT in 1990 to 2,352 MT in 2004.

Table 6 shows fresh grapefruit imports into the European Union (E.U.) by country, for the period 1997-2005 (August-July season), based on data provided by Global Trade Information Services, Inc. (World Trade Atlas). Mexico's share for the E.U. market ranged from 0.3% to 0.7% over the period 1997-2001 and then increased to 2.5% in 2004-05. The U.S. share for the E.U market ranged from 24.8% to 33.7% over the period 1997-2004, before decreasing to 17.2% during the hurricane-impacted season of 2004-05. Measured by volume, Mexico's fresh grapefruit exports to the E.U. have increased over this time period, while the volume of U.S. fresh grapefruit exports have declined from 1997-98 to 2004-05, with the largest decline in 2004-05.

Table 7 shows fresh grapefruit imports to Japan, by country. Mexico has no share of Japan's fresh grapefruit market. The country with the highest share growth in Japan's grapefruit market is South Africa, from 1.1% in 1994-95 to 22.7% in 2003-04 to 41.9% in 2004-05. U.S market shares in Japan manifest a downward trend declining from 89.0% in 1004-95 to 72.3% in 2003-04 to 48.7% in 2004-05.

Mexico's share of the Canadian fresh grapefruit market increased significantly from 0.2% in 1995-96 to 8.0% in 2004-05 (Table 8). South Africa's share of the Canadian market also increased from 1.4% in 1995-96 to 9.7% in 2004-05. The U.S share, on the other hand, decreased from 98.1% to 76.3% over the same period of time.

Table 9 summarizes the fresh grapefruit imports by three major markets (E.U., Japan, and Canada) and measures the imports as a monthly average over the 1997-2005 period. Most of Mexico's exports to E.U. and Canada occur from September to November. Mexico has not exported fresh grapefruit to Japan during this period. U.S. exports largely to all these markets, but South Africa competes with the U.S. exports from May to September with its counter-seasonal production.

Mexico's grapefruit juice exports to the U.S. have increased significantly from 14.3% in 2000-2001 to 74.0% in 2004-05, based on data provided by the Global Trade Information Services (Table 10).

Mexico's share of the E.U. grapefruit juice market has been increasing from 0.7% in 1997-98 to 2.0% in 2004-05, showing some variation over this period of time. South Africa's share of the E.U. GJ market has also been increasing from 2.8% in 1997-98 to 8.1% in 2004-05, while U.S. share ranged from 30.0% to 37.2% from 1997-2003, before decreasing to 21.75% in 2004-05 (Table 11). Mexico's share of the Japan GJ market has slightly increased from 0.0% to 0.6% during the 1994-2004 period; however, a major increase in the shares occurred during 2004-2005, where the Mexico's share of Japan GJ market reached 4.2%. U.S. and South Africa's share of the Japan market follow similar trends with their respective shares in the E.U. GJ market (Table 12). Mexico's share of the Canadian GJ market range from 0.1% to 3.8%, showing high variation over the 1995-

2005 period. South Africa exports little GJ to Canada, while U.S. is the major exporter with shares ranging from 87.7% to 99.7% over the same period (Table 13).

Table 14 shows Mexico grapefruit tree population. In 2005, the grapefruit tree population in Mexico was 3.43 million trees of which about 3 million (87.8%) were bearing trees and 0.43 million (12.2%) were non-bearing trees. However, the population of non-bearing trees has been increasing over time. An increase in the non-bearing category of Mexico's grapefruit tree population suggests possibilities for future production growth.

In conclusion, Mexico is the second largest grapefruit producer presently; furthermore Mexico's grapefruit exports could increase because of the high demand in the international market. Considering the upward trends in grapefruit production and both fresh and processed goods exports, growth in Mexico's grapefruit industry seems plausible.

Table 1. Mexico Grapefruit and Pomelos Area, Yields and Production.

Year	Area Harvested	Yield	Production
	HA	MT/HA	MT
1990	5,943	18.072	107,404
1991	6,588	14.871	97,970
1992	7,579	14.088	106,770
1993	7,344	15.309	112,427
1994	8,940	15.309	136,862
1995	9,386	17.102	160,522
1996	10,213	24.068	245,810
1997	9,893	22.471	222,310
1998	9,590	17.548	168,282
1999	10,987	19.250	211,498
2000	13,175	19.972	263,126
2001	13,222	24.186	319,793
2002	13,295	20.238	269,069
2003	13,000	19.824	257,711
2004	13,000	20.000	260,000
2005	13,000	20.385	265,000
Annual Growth Rate			
90-95	9.6%	-1.1%	8.4%
95-00	7.0%	3.2%	10.4%
00-05	-0.3%	0.4%	0.1%

Source: FAOSTAT (<http://faostat.fao.org/site/567/default.aspx>)

Table 2. World Grapefruit Production

Year	Argentina	Cuba	Greece	Israel	Mexico	South Africa	Turkey	U.S.	Other	World <sup>1</sup>
----- 1,000 Metric Tons -----										
1990	167	331	5	404	107	101	33	1,794	1,072	4,015
1991	204	272	7	379	98	113	42	2,047	1,062	4,223
1992	192	326	8	336	107	102	40	2,018	1,071	4,199
1993	197	248	8	413	112	89	48	2,532	1,131	4,779
1994	229	235	7	338	137	120	54	2,414	1,101	4,634
1995	196	271	7	404	161	128	65	2,642	1,167	5,040
1996	167	365	6	379	246	158	75	2,466	1,155	5,016
1997	233	306	7	435	222	155	55	2,617	1,157	5,188
1998	216	338	7	377	168	196	100	2,352	1,106	4,861
1999	205	261	6	372	211	212	140	2,280	1,195	4,883
2000	218	444	7	246	263	268	130	2,506	1,171	5,253
2001	199	302	8	330	320	233	135	2,233	1,218	4,979
2002	205	137	8	252	269	268	125	2,199	1,266	4,729
2003	184	228	7	256	258	256	135	1,872	1,289	4,485
2004	170	225	7	236	260	233	135	1,964	1,339	4,569
2005	170	226	8	264	265	212	150	914	1,358	3,567
----- % of World -----										
1990	4.1%	8.2%	0.1%	10.1%	2.7%	2.5%	0.8%	44.7%	26.7%	100.0%
1991	4.8%	6.4%	0.2%	9.0%	2.3%	2.7%	1.0%	48.5%	25.2%	100.0%
1992	4.6%	7.8%	0.2%	8.0%	2.5%	2.4%	1.0%	48.1%	25.5%	100.0%
1993	4.1%	5.2%	0.2%	8.6%	2.4%	1.9%	1.0%	53.0%	23.7%	100.0%
1994	4.9%	5.1%	0.1%	7.3%	3.0%	2.6%	1.2%	52.1%	23.8%	100.0%
1995	3.9%	5.4%	0.1%	8.0%	3.2%	2.5%	1.3%	52.4%	23.1%	100.0%
1996	3.3%	7.3%	0.1%	7.6%	4.9%	3.1%	1.5%	49.2%	23.0%	100.0%
1997	4.5%	5.9%	0.1%	8.4%	4.3%	3.0%	1.1%	50.4%	22.3%	100.0%
1998	4.4%	7.0%	0.1%	7.8%	3.5%	4.0%	2.1%	48.4%	22.8%	100.0%
1999	4.2%	5.3%	0.1%	7.6%	4.3%	4.3%	2.9%	46.7%	24.5%	100.0%
2000	4.1%	8.4%	0.1%	4.7%	5.0%	5.1%	2.5%	47.7%	22.3%	100.0%
2001	4.0%	6.1%	0.2%	6.6%	6.4%	4.7%	2.7%	44.9%	24.5%	100.0%
2002	4.3%	2.9%	0.2%	5.3%	5.7%	5.7%	2.6%	46.5%	26.8%	100.0%
2003	4.1%	5.1%	0.2%	5.7%	5.7%	5.7%	3.0%	41.7%	28.7%	100.0%
2004	3.7%	4.9%	0.1%	5.2%	5.7%	5.1%	3.0%	43.0%	29.3%	100.0%
2005	4.8%	6.3%	0.2%	7.4%	7.4%	6.0%	4.2%	25.6%	38.1%	100.0%

Source: FAOSTAT (<http://faostat.fao.org/site/567/default.aspx>)

<sup>1</sup> The world grapefruit production is calculated as sum of individual country production.

Table 3a. Mexico Grapefruit: Production, Supply and Distribution.

Season	Production	Imports	Total Supply	Exports	Fresh Domestic Cons.	Processed
----- 1,000 Metric Tons -----						
1991/1992	110	0	110	1	79	30
1992/1993	118	0	118	1	84	33
1993/1994	112	0	112	1	77	34
1994/1995	160	1	161	1	125	35
1995/1996	245	1	246	3	203	40
1996/1997	222	1	223	2	187	34
1997/1998	168	1	169	3	141	25
1998/1999	165	1	166	4	138	24
1999/2000	240	9	249	2	215	32
2000/2001	320	9	329	7	282	40
2001/2002	297	8	305	5	265	35
2002/2003	281	12	293	7	247	39
2003/2004	409	9	418	10	339	69
2004/2005	360	9	369	11	246	112
2005/2006	330	9	339	8	219	112

Source: USDA, FAS ( <http://www.fas.usda.gov/psdonline/psdquery.aspx>).

Table 3b. Mexico Fresh Grapefruit Utilization Shares.

Season	Production	Imports	Total Supply	Exports	Fresh Domestic Cons.	Processed
----- % Total Supply -----						
1991/1992	100.0%	0.0%	100.0%	0.9%	71.8%	27.3%
1992/1993	100.0%	0.0%	100.0%	0.8%	71.2%	28.0%
1993/1994	100.0%	0.0%	100.0%	0.9%	68.8%	30.4%
1994/1995	99.4%	0.6%	100.0%	0.6%	77.6%	21.7%
1995/1996	99.6%	0.4%	100.0%	1.2%	82.5%	16.3%
1996/1997	99.6%	0.4%	100.0%	0.9%	83.9%	15.2%
1997/1998	99.4%	0.6%	100.0%	1.8%	83.4%	14.8%
1998/1999	99.4%	0.6%	100.0%	2.4%	83.1%	14.5%
1999/2000	96.4%	3.6%	100.0%	0.8%	86.3%	12.9%
2000/2001	97.3%	2.7%	100.0%	2.1%	85.7%	12.2%
2001/2002	97.4%	2.6%	100.0%	1.6%	86.9%	11.5%
2002/2003	95.9%	4.1%	100.0%	2.4%	84.3%	13.3%
2003/2004	97.8%	2.2%	100.0%	2.4%	81.1%	16.5%
2004/2005	97.6%	2.4%	100.0%	3.0%	66.7%	30.4%
2005/2006	97.3%	2.7%	100.0%	2.4%	64.6%	33.0%

Source: USDA, FAS ( <http://www.fas.usda.gov/psdonline/psdquery.aspx>).

Table 3c. Mexico Fresh Grapefruit: Share of World.

Season	Production	Imports	Total Supply	Exports	Fresh Domestic Cons.	Processed
	----- % of World -----					
1991/1992	3.3%	0.0%	3.0%	0.1%	5.9%	2.1%
1992/1993	3.0%	0.0%	2.8%	0.1%	5.9%	1.6%
1993/1994	3.1%	0.0%	2.8%	0.1%	5.7%	1.9%
1994/1995	4.0%	0.3%	3.7%	0.1%	8.7%	1.8%
1995/1996	6.1%	0.3%	5.7%	0.3%	13.3%	2.1%
1996/1997	5.5%	0.3%	5.1%	0.2%	11.8%	1.9%
1997/1998	4.5%	0.4%	4.3%	0.4%	10.1%	1.4%
1998/1999	4.6%	0.3%	4.3%	0.5%	10.0%	1.4%
1999/2000	6.1%	2.8%	5.8%	0.3%	15.4%	1.5%
2000/2001	8.4%	2.7%	7.9%	0.9%	19.8%	2.0%
2001/2002	8.1%	2.2%	7.6%	0.6%	19.6%	1.9%
2002/2003	5.9%	3.4%	5.7%	0.9%	9.0%	2.4%
2003/2004	8.4%	2.3%	8.0%	1.1%	11.4%	5.0%
2004/2005	9.0%	3.0%	8.6%	1.5%	8.8%	14.4%
2005/2006	7.8%	3.3%	7.5%	1.0%	8.0%	11.9%



Table A11. World Fresh Grapefruit: Production, Supply and Distribution.

Season	Production	Imports	Total Supply	Exports	Fresh Domestic Cons.	Processed
----- 1,000 Metric Tons -----						
1991/1992	3,294	384	3,678	948	1,329	1,401
1992/1993	3,895	369	4,264	834	1,419	2,011
1993/1994	3,642	336	3,978	862	1,355	1,761
1994/1995	3,979	340	4,319	911	1,430	1,978
1995/1996	4,001	343	4,344	911	1,521	1,912
1996/1997	4,013	345	4,358	944	1,585	1,829
1997/1998	3,693	280	3,973	808	1,391	1,774
1998/1999	3,580	324	3,904	831	1,376	1,697
1999/2000	3,944	327	4,271	787	1,392	2,092
2000/2001	3,807	339	4,146	758	1,422	1,966
2001/2002	3,654	356	4,010	799	1,353	1,858
2002/2003	4,764	355	5,119	782	2,742	1,595
2003/2004	4,868	384	5,252	895	2,983	1,374
2004/2005	3,986	304	4,290	721	2,789	780
2005/2006	4,232	274	4,506	831	2,734	941

Table 4a. U.S. Fresh Grapefruit: Production, Supply and Distribution.

Season	Production	Imports	Total Supply	Exports	Fresh Domestic Cons.	Processed
----- 1,000 Metric Tons -----						
1991/1992	2,018	11	2,029	459	685	885
1992/1993	2,532	12	2,544	441	726	1,377
1993/1994	2,409	15	2,424	459	718	1,247
1994/1995	2,642	13	2,655	487	719	1,449
1995/1996	2,466	15	2,481	500	711	1,270
1996/1997	2,617	13	2,630	480	760	1,390
1997/1998	2,352	5	2,357	392	739	1,226
1998/1999	2,280	16	2,296	426	724	1,146
1999/2000	2,507	6	2,513	394	649	1,470
2000/2001	2,233	19	2,252	387	623	1,242
2001/2002	2,199	27	2,226	397	602	1,227
2002/2003	1,872	17	1,889	353	539	997
2003/2004	1,964	19	1,983	396	549	1,038
2004/2005	924	14	938	228	354	356
2005/2006	1118	19	1,137	260	306	571

Source: USDA, FAS (<http://www.fas.usda.gov/psdonline/psdquery.aspx>)

Table 4b. U.S. Grapefruit Utilization Shares.

Season	Production	Imports	Total Supply	Exports	Fresh Domestic Cons.	Processed
----- % Total Supply -----						
1991/1992	99.5%	0.5%	100.0%	22.6%	33.8%	43.6%
1992/1993	99.5%	0.5%	100.0%	17.3%	28.5%	54.1%
1993/1994	99.4%	0.6%	100.0%	18.9%	29.6%	51.4%
1994/1995	99.5%	0.5%	100.0%	18.3%	27.1%	54.6%
1995/1996	99.4%	0.6%	100.0%	20.2%	28.7%	51.2%
1996/1997	99.5%	0.5%	100.0%	18.3%	28.9%	52.9%
1997/1998	99.8%	0.2%	100.0%	16.6%	31.4%	52.0%
1998/1999	99.3%	0.7%	100.0%	18.6%	31.5%	49.9%
1999/2000	99.8%	0.2%	100.0%	15.7%	25.8%	58.5%
2000/2001	99.2%	0.8%	100.0%	17.2%	27.7%	55.2%
2001/2002	98.8%	1.2%	100.0%	17.8%	27.0%	55.1%
2002/2003	99.1%	0.9%	100.0%	18.7%	28.5%	52.8%
2003/2004	99.0%	1.0%	100.0%	20.0%	27.7%	52.3%
2004/2005	98.5%	1.5%	100.0%	24.3%	37.7%	38.0%
2005/2006	98.3%	1.7%	100.0%	22.9%	26.9%	50.2%

Table A11. World Fresh Grapefruit: Production, Supply and Distribution.

Season	Production	Imports	Total Supply	Exports	Fresh Domestic Cons.	Processed
-----1,000 Metric Tons-----						
1991/1992	3,294	384	3,678	948	1,329	1,401
1992/1993	3,895	369	4,264	834	1,419	2,011
1993/1994	3,642	336	3,978	862	1,355	1,761
1994/1995	3,979	340	4,319	911	1,430	1,978
1995/1996	4,001	343	4,344	911	1,521	1,912
1996/1997	4,013	345	4,358	944	1,585	1,829
1997/1998	3,693	280	3,973	808	1,391	1,774
1998/1999	3,580	324	3,904	831	1,376	1,697
1999/2000	3,944	327	4,271	787	1,392	2,092
2000/2001	3,807	339	4,146	758	1,422	1,966
2001/2002	3,654	356	4,010	799	1,353	1,858
2002/2003	4,764	355	5,119	782	2,742	1,595
2003/2004	4,868	384	5,252	895	2,983	1,374
2004/2005	3,986	304	4,290	721	2,789	780
2005/2006	4,232	274	4,506	831	2,734	941

Table 5. Mexico Grapefruit and GJ Exports.

Year	Grapefruit and Pomelos		Grapefruit Juice Concentrate		Grapefruit Juice Single-Strength-Equivalent	
	Exports- Qty(Mt)	Exports- Val(1000\$)	Exports- Qty(Mt)	Exports- Val(1000\$)	Exports- Qty(Mt)	Exports- Val(1000\$)
1990	561	186	0	0	1,453	1,812
1991	395	203	0	0	1,272	1,441
1992	910	588	0	0	2,221	3,831
1993	751	351	0	0	2,629	3,935
1994	499	189	0	0	2,853	4,793
1995	3,833	4,060	0	0	693	843
1996	6,464	5,525	0	0	1,861	1,843
1997	1,556	601	0	0	431	266
1998	3,244	1,293	0	0	3,476	1,279
1999	3,149	1,308	0	0	2,049	1,996
2000	2,242	1,186	0	0	1,730	2,063
2001	7,808	4,383	0	0	886	1,020
2002	4,774	2,164	425	373	361	388
2003	6,619	2,084	1,518	2,096	162	170
2004	11,105	6,259	6,630	7,166	2,352	5,464

Source: FAOSTAT (<http://faostat.fao.org/site/535/default.aspx>)

Table 6. E.U Fresh Grapefruit Imports, By Country, August-July Season.

Country	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
-----Million 85-pound Boxes-----								
--World--	11.135	10.873	10.359	9.371	11.408	8.415	8.908	7.915
South Africa	2.039	2.177	2.169	2.108	2.106	1.743	1.850	2.090
Israel	2.289	2.171	2.018	1.413	3.241	1.112	1.155	1.416
United States	3.751	3.463	2.876	2.809	2.829	2.623	2.957	1.361
Turkey	0.469	0.937	1.174	1.170	1.273	1.009	1.115	0.827
Argentina	0.713	0.512	0.387	0.473	0.460	0.735	0.467	0.673
Honduras	0.411	0.317	0.394	0.308	0.280	0.244	0.249	0.342
Cyprus	0.479	0.492	0.411	0.387	0.370	0.391	0.425	0.334
Mexico	0.037	0.061	0.071	0.042	0.150	0.107	0.153	0.197
Swaziland	0.382	0.301	0.341	0.268	0.220	0.182	0.141	0.186
Zimbabwe	0.073	0.066	0.095	0.113	0.082	0.067	0.036	0.129
China	0.000	0.000	0.001	0.001	0.001	0.002	0.010	0.079
Cuba	0.378	0.242	0.350	0.231	0.292	0.149	0.255	0.089
Other	0.113	0.133	0.070	0.047	0.104	0.052	0.096	0.193
-----% of World-----								
--World--	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
South Africa	18.3%	20.0%	20.9%	22.5%	18.5%	20.7%	20.8%	26.4%
Israel	20.6%	20.0%	19.5%	15.1%	28.4%	13.2%	13.0%	17.9%
United States	33.7%	31.8%	27.8%	30.0%	24.8%	31.2%	33.2%	17.2%
Turkey	4.2%	20.0%	11.3%	12.5%	11.2%	12.0%	12.5%	10.4%
Argentina	6.4%	20.0%	3.7%	5.0%	4.0%	8.7%	5.2%	8.5%
Honduras	3.7%	31.8%	3.8%	3.3%	2.5%	2.9%	2.8%	4.3%
Cyprus	4.3%	8.6%	4.0%	4.1%	3.2%	4.6%	4.8%	4.2%
Mexico	0.3%	0.6%	0.7%	0.4%	1.3%	1.3%	1.7%	2.5%
Swaziland	3.4%	2.8%	3.3%	2.9%	1.9%	2.2%	1.6%	2.4%
Zimbabwe	0.7%	0.6%	0.9%	1.2%	0.7%	0.8%	0.4%	1.6%
China	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	1.0%
Cuba	3.4%	2.2%	3.4%	2.5%	2.6%	1.8%	2.9%	1.1%
Other	1.0%	1.2%	0.7%	0.5%	0.9%	0.6%	1.1%	2.4%

Source: World Trade Atlas

Table 7. Japanese Fresh Grapefruit Imports, By Country, August-July Season.

Country	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
-----Million 85-pound Boxes -----											
--World--	7.281	7.177	7.195	6.093	6.717	6.783	7.410	7.012	6.926	7.894	5.564
United States	6.480	6.151	5.839	4.932	5.562	5.383	5.450	5.400	5.086	5.705	2.708
South Africa	0.078	0.204	0.547	0.358	0.579	0.756	1.370	1.208	1.538	1.792	2.331
Israel	0.472	0.596	0.539	0.613	0.400	0.477	0.414	0.257	0.200	0.217	0.324
Swaziland	0.251	0.225	0.270	0.190	0.164	0.156	0.174	0.143	0.098	0.157	0.113
Other	0.001	0.002	0.001	0.000	0.012	0.012	0.002	0.003	0.004	0.023	0.087
----- % of World -----											
--World--	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
United States	89.0%	85.7%	81.2%	80.9%	82.8%	79.4%	73.5%	77.0%	73.4%	72.3%	48.7%
South Africa	1.1%	2.8%	7.6%	5.9%	8.6%	11.1%	18.5%	17.2%	22.2%	22.7%	41.9%
Israel	6.5%	8.3%	7.5%	10.1%	6.0%	7.0%	5.6%	3.7%	2.9%	2.7%	5.8%
Swaziland	3.4%	3.1%	3.8%	3.1%	2.4%	2.3%	2.3%	2.0%	1.4%	2.0%	2.0%
Other	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.0%	0.0%	0.1%	0.3%	1.6%

Source: World Trade Atlas (Japanese Customs).

Table 8. Canada Fresh Grapefruit Imports, By Country, August-July Season.

Country	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
-----Million 85-pound Boxes -----										
--World--	1.920	1.948	1.516	1.493	1.474	1.364	1.494	1.378	1.304	1.263
United States	1.884	1.878	1.439	1.427	1.328	1.237	1.329	1.181	1.155	0.963
South Africa	0.026	0.041	0.058	0.038	0.121	0.086	0.092	0.134	0.081	0.122
Mexico	0.003	0.014	0.009	0.006	0.010	0.002	0.006	0.005	0.020	0.101
Other	0.007	0.015	0.010	0.022	0.016	0.040	0.067	0.058	0.047	0.076
----- % of World -----										
--World--	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
United States	98.1%	96.4%	94.9%	95.6%	90.1%	90.6%	88.9%	85.7%	88.6%	76.3%
South Africa	1.4%	2.1%	3.8%	2.5%	8.2%	6.3%	6.2%	9.7%	6.2%	9.7%
Mexico	0.2%	0.7%	0.6%	0.4%	0.7%	0.1%	0.4%	0.3%	1.6%	8.0%
Other	0.3%	0.8%	0.6%	1.5%	1.1%	2.9%	4.5%	4.2%	3.6%	6.0%

Source: World Trade Atlas (Statistics Canada).

Table 9. Fresh Grapefruit Imports, By Markets, By Month, 1997-2005 Average

Market	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total	
-----Million 85-pound Boxes-----														
EU	World	0.856	0.964	1.010	1.018	0.767	1.060	0.855	0.530	0.456	0.710	0.944	0.678	9.848
	U.S	0.459	0.517	0.522	0.376	0.166	0.022	0.001	0.000	0.004	0.118	0.340	0.334	2.860
	South Africa	0.000	0.001	0.000	0.001	0.194	0.657	0.581	0.350	0.157	0.032	0.005	0.000	1.981
	Mexico	0.001	0.002	0.001	0.000	0.000	0.000	0.000	0.003	0.031	0.047	0.017	0.003	0.104
	Other	0.397	0.444	0.487	0.640	0.406	0.380	0.272	0.176	0.264	0.513	0.582	0.341	4.903
Japan	World	0.452	0.672	1.115	1.143	0.634	0.527	0.692	0.478	0.142	0.102	0.424	0.450	6.831
	U.S	0.402	0.665	1.110	1.140	0.633	0.201	0.128	0.090	0.017	0.092	0.248	0.323	5.049
	South Africa	0.000	0.000	0.000	0.000	0.000	0.296	0.487	0.345	0.113	0.004	0.000	0.000	1.247
	Mexico	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Other	0.050	0.007	0.005	0.003	0.000	0.030	0.077	0.043	0.012	0.005	0.176	0.128	0.536
Canada	World	0.173	0.147	0.162	0.139	0.119	0.098	0.071	0.056	0.064	0.139	0.145	0.125	1.437
	U.S	0.167	0.142	0.158	0.137	0.112	0.062	0.039	0.033	0.051	0.129	0.135	0.118	1.283
	South Africa	0.000	0.000	0.000	0.000	0.005	0.031	0.028	0.019	0.006	0.001	0.000	0.000	0.091
	Mexico	0.001	0.001	0.000	0.000	0.001	0.001	0.000	0.001	0.004	0.006	0.003	0.001	0.021
	Other	0.004	0.004	0.003	0.002	0.001	0.003	0.003	0.003	0.003	0.003	0.007	0.006	0.042
-----% of World-----														
EU	World	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	U.S	53.6%	53.6%	51.7%	37.0%	21.7%	2.1%	0.1%	0.1%	0.8%	16.7%	36.1%	49.3%	29.0%
	South Africa	0.0%	0.1%	0.0%	0.1%	25.3%	62.0%	68.0%	66.1%	34.5%	4.5%	0.6%	0.0%	20.1%
	Mexico	0.1%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.5%	6.8%	6.6%	1.8%	0.4%	1.1%
	Other	46.4%	46.1%	48.2%	62.9%	53.0%	35.9%	31.8%	33.3%	57.9%	72.3%	61.6%	50.3%	49.8%
Japan	World	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	U.S	89.0%	99.0%	99.6%	99.8%	99.9%	38.1%	18.5%	18.8%	11.6%	90.4%	58.4%	71.7%	73.9%
	South Africa	0.0%	0.0%	0.0%	0.0%	0.0%	56.2%	70.4%	72.2%	79.8%	4.3%	0.0%	0.0%	18.2%
	Mexico	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Other	11.0%	1.0%	0.4%	0.2%	0.1%	5.7%	11.1%	9.0%	8.6%	5.3%	41.6%	28.3%	7.8%
Canada	World	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	U.S	96.7%	97.0%	97.8%	98.4%	94.0%	63.7%	55.0%	58.2%	79.5%	92.5%	93.2%	94.3%	89.3%
	South Africa	0.0%	0.0%	0.0%	0.0%	4.4%	31.9%	40.4%	33.9%	8.9%	0.8%	0.0%	0.0%	6.3%
	Mexico	0.8%	0.6%	0.2%	0.4%	0.9%	1.5%	0.6%	1.7%	6.8%	4.3%	2.0%	1.0%	1.5%
	Other	2.5%	2.4%	2.0%	1.2%	0.7%	3.0%	4.1%	6.1%	4.7%	2.3%	4.8%	4.7%	2.9%

Source: World Trade Atlas (Eurostat, Japanese Customs, Statistics Canada).

Table 10. U.S. GJ Imports.

Country	Oct 00- Sep 01	Oct 01-Sep 02	Oct 02-Sep 03	Oct 03-Sep 04	Oct 04- Sep 05
----- Million \$ -----					
Mexico	0.201	0.027	0.093	0.279	13.906
Belize	0.587	0.000	0.000	0.000	3.289
South Africa	0.002	0.000	0.032	0.055	0.033
Other	0.617	0.675	0.667	0.587	1.553
Total	1.407	0.702	0.792	0.921	18.781
----- % of Total -----					
Mexico	14.3%	3.9%	11.8%	30.3%	74.0%
Belize	41.7%	0.0%	0.0%	0.0%	17.5%
South Africa	0.1%	0.0%	4.0%	6.0%	0.2%
Other	43.9%	96.1%	84.2%	63.7%	8.3%
Total	100.0%	100.0%	100.0%	100.0%	100.0%

Source: World Trade Atlas ( U.S. Department of Commerce).

Table 11. EU. GJ Imports.

Country	Oct 97- Sep 98	Oct 98- Sep 99	Oct 99- Sep 00	Oct 00- Sep 01	Oct 01- Sep 02	Oct 02- Sep 03	Oct 03- Sep 04	Oct 04- Sep 05
----- Million \$ -----								
--World--	66.831	69.462	96.413	99.892	94.478	94.870	89.250	102.423
U.S.	22.001	22.647	28.364	32.572	29.180	35.558	33.191	22.231
Mexico	0.467	1.009	0.521	0.940	0.580	0.477	0.039	2.091
South Africa	1.862	1.912	4.414	6.575	7.622	6.655	6.798	8.255
Israel	25.016	23.310	28.835	25.526	27.941	28.138	24.295	35.649
Cuba	9.819	12.976	24.975	24.636	18.365	12.251	14.881	25.023
Belize	4.529	4.319	2.677	5.646	4.281	6.646	3.806	2.393
Other	3.137	3.290	6.626	3.997	6.509	5.144	6.240	6.781
----- % of World -----								
--World--	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
U.S.	32.9%	32.6%	29.4%	32.6%	30.9%	37.5%	37.2%	21.7%
Mexico	0.7%	1.5%	0.5%	0.9%	0.6%	0.5%	0.0%	2.0%
South Africa	2.8%	2.8%	4.6%	6.6%	8.1%	7.0%	7.6%	8.1%
Israel	37.4%	33.6%	29.9%	25.6%	29.6%	29.7%	27.2%	34.8%
Cuba	14.7%	18.7%	25.9%	24.7%	19.4%	12.9%	16.7%	24.4%
Belize	6.8%	6.2%	2.8%	5.7%	4.5%	7.0%	4.3%	2.3%
Other	4.7%	4.7%	6.9%	4.0%	6.9%	5.4%	7.0%	6.6%

Source: World Trade Atlas ( Eurostat).



Table 12. Japan GJ Imports.

Country	Oct 94- Sep 95	Oct 95- Sep 96	Oct 96- Sep 97	Oct 97- Sep 98	Oct 98- Sep 99	Oct 99- Sep 00	Oct 00- Sep 01	Oct 01- Sep 02	Oct 02- Sep 03	Oct 03- Sep 04	Oct 04- Sep 05
-----Million \$-----											
--World--	31.290	37.417	25.749	19.145	28.621	53.455	55.334	53.184	52.508	50.919	76.892
U.S.	26.596	29.530	21.386	16.058	20.325	40.230	41.344	33.169	30.222	30.897	27.725
Mexico	0.000	0.234	0.030	0.000	0.000	0.040	0.000	0.144	0.000	0.000	3.250
South Africa	0.000	0.000	0.021	0.000	0.000	0.113	0.033	0.055	0.117	0.141	4.070
Israel	4.195	6.833	3.737	2.310	7.044	10.034	8.269	13.064	15.758	12.022	29.657
Cuba	0.000	0.000	0.007	0.004	0.000	1.510	1.065	1.220	1.115	0.323	2.111
Belize	0.000	0.000	0.000	0.000	0.000	0.000	1.556	0.516	0.595	0.920	2.195
Other	0.499	0.821	0.568	0.772	1.252	1.527	3.067	5.016	4.699	6.617	7.883
-----% of World-----											
--World--	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
U.S.	85.0%	78.9%	83.1%	83.9%	71.0%	75.3%	74.7%	62.4%	57.6%	60.7%	36.1%
Mexico	0.0%	0.6%	0.1%	0.0%	0.0%	0.1%	0.0%	0.3%	0.0%	0.0%	4.2%
South Africa	0.0%	0.0%	0.1%	0.0%	0.0%	0.2%	0.1%	0.1%	0.2%	0.3%	5.3%
Israel	13.4%	18.3%	14.5%	12.1%	24.6%	18.8%	14.9%	24.6%	30.0%	23.6%	38.6%
Cuba	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%	1.9%	2.3%	2.1%	0.6%	2.7%
Belize	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%	1.0%	1.1%	1.8%	2.9%
Other	1.6%	2.2%	2.2%	4.0%	4.4%	2.9%	5.5%	9.4%	8.9%	13.0%	10.3%

Source: World Trade Atlas (Japanese Customs).

Table 13. Canada GJ Imports.

Country	Oct 95- Sep 96	Oct 96- Sep 97	Oct 97- Sep 98	Oct 98- Sep 99	Oct 99- Sep 00	Oct 00- Sep 01	Oct 01- Sep 02	Oct 02- Sep 03	Oct 03- Sep 04	Oct 04- Sep 05
-----Million \$-----										
--World--	11.680	11.843	11.120	11.470	14.560	13.306	12.540	13.473	12.374	11.159
U.S.	11.646	11.325	11.000	11.345	12.765	12.803	12.211	13.141	12.184	10.289
Mexico	0.011	0.446	0.118	0.097	0.489	0.153	0.067	0.024	0.058	0.353
South Africa	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.007	0.010	0.062
Israel	0.017	0.012	0.001	0.006	0.001	0.008	0.009	0.001	0.008	0.070
Cuba	0.000	0.000	0.000	0.000	0.284	0.000	0.000	0.001	0.000	0.170
Belize	0.000	0.000	0.000	0.000	0.579	0.311	0.000	0.000	0.000	0.056
Other	0.007	0.060	0.002	0.021	0.442	0.031	0.224	0.301	0.113	0.159
----- % of World -----										
--World--	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
U.S.	99.7%	95.6%	98.9%	98.9%	87.7%	96.2%	97.4%	97.5%	98.5%	92.2%
Mexico	0.1%	3.8%	1.1%	0.8%	3.4%	1.1%	0.5%	0.2%	0.5%	3.2%
South Africa	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.1%	0.6%
Israel	0.1%	0.1%	0.0%	0.1%	0.0%	0.1%	0.1%	0.0%	0.1%	0.6%
Cuba	0.0%	0.0%	0.0%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	1.5%
Belize	0.0%	0.0%	0.0%	0.0%	4.0%	2.3%	0.0%	0.0%	0.0%	0.5%
Other	0.1%	0.5%	0.0%	0.2%	3.0%	0.2%	1.8%	2.2%	0.9%	1.4%

Source: World Trade Atlas (Statistics Canada).

Table 14. Mexico Grapefruit Trees.

Year	Non-Bearing	Bearing	Total
----- 1,000 Trees -----			
2000	263	2485	2748
2001	284	2701	2985
2002	554	2648	3202
2003	267	3154	3421
2004	283	3139	3422
2005	419	3008	3427
----- % of Total -----			
2000	9.6%	90.4%	100.0%
2001	9.5%	90.5%	100.0%
2002	17.3%	82.7%	100.0%
2003	7.8%	92.2%	100.0%
2004	8.3%	91.7%	100.0%
2005	12.2%	87.8%	100.0%

Source: USDA, FAS ( Mexico Citrus Annual Reports 2002, 2003, 2004, 2005)

## Appendix

Source: USDA, FAS( <http://www.fas.usda.gov/psdonline/psdquery.aspx>).

Table A1. China Fresh Grapefruit: Production, Supply and Distribution.

Season	Production	Imports	Total Supply	Exports	Fresh Domestic Cons.	Processed
----- 1,000 Metric Tons -----						
1991/1992	0	0	0	0	0	0
1992/1993	0	0	0	0	0	0
1993/1994	0	0	0	0	0	0
1994/1995	0	0	0	0	0	0
1995/1996	0	0	0	0	0	0
1996/1997	0	0	0	0	0	0
1997/1998	0	0	0	0	0	0
1998/1999	0	0	0	0	0	0
1999/2000	0	0	0	0	0	0
2000/2001	0	0	0	0	0	0
2001/2002	0	0	0	0	0	0
2002/2003	1,526	4	1,530	13	1,517	0
2003/2004	1,642	2	1,644	15	1,629	0
2004/2005	1,800	2	1,802	11	1,791	0
2005/2006	1,850	2	1,852	15	1,837	0

Table A2. Cuba Fresh Grapefruit: Production, Supply and Distribution.

Season	Production	Imports	Total Supply	Exports	Fresh Domestic Cons.	Processed
----- 1,000 Metric Tons -----						
1991/1992	271	0	271	80	97	94
1992/1993	308	0	308	28	142	138
1993/1994	232	0	232	53	74	105
1994/1995	230	0	230	55	70	105
1995/1996	350	0	350	40	73	237
1996/1997	230	0	230	55	70	105
1997/1998	300	0	300	40	35	225
1998/1999	300	0	300	40	35	225
1999/2000	310	0	310	20	35	255
2000/2001	310	0	310	20	35	255
2001/2002	150	0	150	5	15	130
2002/2003	227	0	227	6	14	207
2003/2004	20	0	20	11	5	4
2004/2005	7	0	7	4	2	1
2005/2006	10	0	10	4	5	1

Table A3. Cyprus Fresh Grapefruit: Production, Supply and Distribution.

Season	Production	Imports	Total Supply	Exports	Fresh Domestic Cons.	Processed
----- 1,000 Metric Tons -----						
1991/1992	113	0	113	78	2	33
1992/1993	110	0	110	70	5	35
1993/1994	112	0	112	72	5	35
1994/1995	95	0	95	60	5	30
1995/1996	78	0	78	50	4	24
1996/1997	93	0	93	48	31	14
1997/1998	51	0	51	32	4	15
1998/1999	52	0	52	33	3	16
1999/2000	36	0	36	23	3	10
2000/2001	38	0	38	27	3	8
2001/2002	38	0	38	25	3	10
2002/2003	30	0	30	23	3	4
2003/2004	30	0	30	26	3	1
2004/2005	30	0	30	26	3	1
2005/2006	30	0	30	26	3	1

Table A4. Gaza Strip Fresh Grapefruit: Production, Supply and Distribution.

Season	Production	Imports	Total Supply	Exports	Fresh Domestic Cons.	Processed
----- 1,000 Metric Tons -----						
1991/1992	9	0	9	7	2	0
1992/1993	9	0	9	7	2	0
1993/1994	9	0	9	7	2	0
1994/1995	10	0	10	5	5	0
1995/1996	10	0	10	5	5	0
1996/1997	10	0	10	5	5	0
1997/1998	0	0	0	0	0	0
1998/1999	0	0	0	0	0	0
1999/2000	0	0	0	0	0	0
2000/2001	0	0	0	0	0	0
2001/2002	0	0	0	0	0	0
2002/2003	0	0	0	0	0	0
2003/2004	0	0	0	0	0	0
2004/2005	0	0	0	0	0	0
2005/2006	0	0	0	0	0	0

Table A5. Israel Fresh Grapefruit: Production, Supply and Distribution.

Season	Production	Imports	Total Supply	Exports	Fresh Domestic Cons.	Processed
----- 1,000 Metric Tons -----						
1991/1992	345	5	350	120	20	210
1992/1993	383	7	390	111	20	259
1993/1994	335	5	340	100	25	215
1994/1995	415	5	420	116	30	274
1995/1996	395	5	400	117	25	258
1996/1997	357	5	362	137	19	206
1997/1998	349	0	349	134	13	202
1998/1999	328	0	328	123	21	184
1999/2000	324	5	329	121	23	185
2000/2001	286	0	286	63	21	202
2001/2002	251	0	251	68	20	163
2002/2003	255	0	255	64	20	171
2003/2004	237	0	237	70	23	144
2004/2005	263	0	263	86	20	157
2005/2006	256	0	256	82	20	154

Table A6. Italy Fresh Grapefruit: Production, Supply and Distribution.

Season	Production	Imports	Total Supply	Exports	Fresh Domestic Cons.	Processed
----- 1,000 Metric Tons -----						
1991/1992	6	43	49	1	48	0
1992/1993	6	39	45	2	43	0
1993/1994	7	37	44	5	39	0
1994/1995	5	46	51	7	44	0
1995/1996	4	38	42	5	37	0
1996/1997	3	36	39	3	36	0
1997/1998	3	36	39	3	36	0
1998/1999	6	34	40	3	35	2
1999/2000	12	28	40	3	35	2
2000/2001	20	30	50	5	40	5
2001/2002	30	29	59	5	49	5
2002/2003	7	34	41	4	34	3
2003/2004	7	38	45	5	39	1
2004/2005	7	38	45	5	39	1
2005/2006	8	37	45	6	39	0

Table A7. Japan Fresh Grapefruit: Production, Supply and Distribution.

Season	Production	Imports	Total Supply	Exports	Fresh Domestic Cons.	Processed
----- 1,000 Metric Tons -----						
1991/1992	0	257	257	0	257	0
1992/1993	0	239	239	0	239	0
1993/1994	0	273	273	0	273	0
1994/1995	0	272	272	0	272	0
1995/1996	0	275	275	0	275	0
1996/1997	0	281	281	0	281	0
1997/1998	0	230	230	0	230	0
1998/1999	0	266	266	0	266	0
1999/2000	0	270	270	0	270	0
2000/2001	0	274	274	0	274	0
2001/2002	0	277	277	0	277	0
2002/2003	0	272	272	0	272	0
2003/2004	0	304	304	0	304	0
2004/2005	0	219	219	0	219	0
2005/2006	0	195	195	0	195	0

Table A8. South Africa Fresh Grapefruit: Production, Supply and Distribution.

Season	Production	Imports	Total Supply	Exports	Fresh Domestic Cons.	Processed
----- 1,000 Metric Tons -----						
1991/1992	110	0	110	58	8	44
1992/1993	118	0	118	58	16	44
1993/1994	145	0	145	99	15	31
1994/1995	154	0	154	98	16	40
1995/1996	172	0	172	115	14	43
1996/1997	177	2	179	133	11	35
1997/1998	186	1	187	140	9	38
1998/1999	171	1	172	115	11	46
1999/2000	186	1	187	134	9	44
2000/2001	288	1	289	137	20	132
2001/2002	384	2	386	169	12	205
2002/2003	256	3	259	186	7	66
2003/2004	264	2	266	217	7	42
2004/2005	290	2	292	223	7	62
2005/2006	330	2	332	290	10	32

Table A9. Turkey Fresh Grapefruit: Production, Supply and Distribution.

Season	Production	Imports	Total Supply	Exports	Fresh Domestic Cons.	Processed
----- 1,000 Metric Tons -----						
1991/1992	42	0	42	34	4	4
1992/1993	40	1	41	25	12	4
1993/1994	48	0	48	36	8	4
1994/1995	60	0	60	45	9	6
1995/1996	65	1	66	42	17	7
1996/1997	75	1	76	51	18	7
1997/1998	55	1	56	34	17	5
1998/1999	100	0	100	66	24	10
1999/2000	140	0	140	72	54	14
2000/2001	135	0	135	88	36	11
2001/2002	135	10	145	100	35	10
2002/2003	125	12	137	96	39	2
2003/2004	135	10	145	115	30	0
2004/2005	135	20	155	90	65	0
2005/2006	150	10	160	100	60	0

Table A10. Argentina Fresh Grapefruit: Production, Supply and Distribution.

Season	Production	Imports	Total Supply	Exports	Fresh Domestic Cons.	Processed
----- 1,000 Metric Tons -----						
1991/1992	170	3	173	46	72	55
1992/1993	177	5	182	35	72	75
1993/1994	195	6	201	26	111	64
1994/1995	208	3	211	37	135	39
1995/1996	216	8	224	34	157	33
1996/1997	229	6	235	30	167	38
1997/1998	229	6	235	30	167	38
1998/1999	178	6	184	21	119	44
1999/2000	189	8	197	18	99	80
2000/2001	177	6	183	24	88	71
2001/2002	170	3	173	25	75	73
2002/2003	185	1	186	30	50	106
2003/2004	160	0	160	30	55	75
2004/2005	170	0	170	37	43	90
2005/2006	150	0	150	40	40	70

Table A11. World Fresh Grapefruit: Production, Supply and Distribution.

Season	Production	Imports	Total Supply	Exports	Fresh Domestic Cons.	Processed
----- 1,000 Metric Tons -----						
1991/1992	3,294	384	3,678	948	1,329	1,401
1992/1993	3,895	369	4,264	834	1,419	2,011
1993/1994	3,642	336	3,978	862	1,355	1,761
1994/1995	3,979	340	4,319	911	1,430	1,978
1995/1996	4,001	343	4,344	911	1,521	1,912
1996/1997	4,013	345	4,358	944	1,585	1,829
1997/1998	3,693	280	3,973	808	1,391	1,774
1998/1999	3,580	324	3,904	831	1,376	1,697
1999/2000	3,944	327	4,271	787	1,392	2,092
2000/2001	3,807	339	4,146	758	1,422	1,966
2001/2002	3,654	356	4,010	799	1,353	1,858
2002/2003	4,764	355	5,119	782	2,742	1,595
2003/2004	4,868	384	5,252	895	2,983	1,374
2004/2005	3,986	304	4,290	721	2,789	780
2005/2006	4,232	274	4,506	831	2,734	941