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**ARGENTINA GRAPEFRUIT PRODUCTION,
UTILIZATION AND TRADE**

BY

Hyeyoung Kim

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: kim1978@ufl.edu

www.floridajuice.com

Argentina Grapefruit Production, Utilization and Trade*

This report provides production, utilization and trade data with respect to Argentina's grapefruit industry.

Based on data from the Food and Agriculture Organization of the United Nation (FAO), even though harvested area of Argentina grapefruit has been increased from 10,390 hectares to 12,000 hectares between 1991 and 2005, production decreased from 203,900 metric tons (MT) to 170,000 MT (Table 1). Average production for 2001-2005 was 185,680 MT(metric tons) or 4.8 million 85-pound boxes.

Argentina's share of world grapefruit production has increased from 4.1% in 1990 to 4.6% in 2005, based on the FAO data (Table 2). In 2005, Argentina was the seventh largest grapefruit producer in the world, following the U.S., China, Mexico, Israel, Greece and South Africa.

Table 3a shows Argentina's grapefruit utilization in metric tons and percentages of its total supply. Table 3b shows Argentina's grapefruit utilization relative to world utilization, based on USDA data. Fresh grapefruit exports represent the 20% of Argentina's grapefruit supply. Processed grapefruit has increased for 31.8% to 46.7% from 1991-92 to 2005-06. Average share of Argentina's processed grapefruit was 49.1% of supply for the period from 2001-02 through 2005-06. Argentina's average share of the world's fresh grapefruit exports was 4.1% in for the period from 2001-02 to 2005-06 and average share of the world's processed grapefruit was 7.0% during the same period.

For comparison, U.S. grapefruit utilization relative to the world's utilization is shown in Table 4a and 4b. The Appendix provides additional grapefruit utilization for selected countries.

Based on FAO data, Argentina's fresh grapefruit exports has decreased from 45,881 MT in 1990 to 17,597 MT in 2000 and then increased to 30,345 MT in 2004. Argentina's grapefruit

* Prepared by Hyeyoung Kim, a research assistant of the Food and Resource Economics Department, University of Florida, FDOC-EMRD Staff Report # 2006-16, December 2006.

juice concentrated also has decreased from 1990 until 2000, then increased to 3,071 MT in 2004 (Table 5).

Table 6 shows fresh grapefruit imports into the European Union (E.U.) by country using the data provided by Global Trade Information Services, Inc. (World Trade Atlas). Argentina's share of the E.U. market ranged from 3.7% to 8.7% over the period from 1997-98 to 2004-05, while the U.S. share ranged from 24.8% to 33.7% from 1997-98 to 2003-04, before decreasing to 17.2% in the hurricane-impacted season of 2004-05. The country with the strongest growth over this period was Turkey with its share of the E.U. market increasing from 4.2% in 1997-98 to 10.4% in 2004-05.

Measured by volume, Argentina's fresh grapefruit exports to the E.U. have declined somewhat since 1997-98 and the volume of U.S. fresh grapefruit exports to the E.U. also declined from 1997-98 to 1999-00, before leveling off for the next several years and then declining again in 2004-05.

Argentina's share of Japan's fresh grapefruit market was low (Table 7). The U.S. share of the Japan market decreased from 89.0% in 1994-95 to 48.7% in 2004-05 and then increased to 56.2% in 2005-06.

Argentina's share of the Canadian fresh grapefruit market increased from nothing in 1995-96 to 1.4% in 2000-01 and then declined 0.6% in 2005-06, while the U.S. share decreased from 98.1% to 78.0% over the same period (Table 8).

With Argentina's grapefruit production and fresh grapefruit exports being counter-seasonal to production and exports in the U.S., competition between Argentina and U.S. grapefruit in the E.U. market occurs largely in May (Table 9). Most of Florida's offshore, as well as total, fresh grapefruit shipments occur from October through April (see, e.g., "Florida Fresh Citrus Shipments, 2004-05 Annual Report", and earlier-year reports, by the Florida Department of Citrus, Economic and Market Research Department (http://www.floridajuice.com/user_upload/files/fsann200_4325837d9b8bf.pdf)). Thus, Florida and Argentina grapefruit does not tend to directly compete with each other. Argentina exported grapefruit to the U.S. in 2002-03 and 2004-05 (Table 10).

Argentina's share of the E.U. GJ market measured in dollars has been increasing from 0.4% in 1997-98 to 2.8% in 2003-04 and then decreased to 2.1% in 2004-05, while the U.S. share ranged from 29.4% to 37.2% from 1999-00 to 2003-04, before decreasing to 21.7% in 2004-05 (Table 11). In the Japan GJ market, Argentina's share was 0.4% at first in 2004-05 while U.S. has decreased from 85% in 1994-95 to 36.1% in 2004-05 (Table 12). Argentina exports little GJ to Canada (Table 13).

The grapefruit tree population in Argentina is 3.1 million with 3.0 million bearing trees and 0.1 million non-bearing trees. In the last several years, the non-bearing trees have represented about 3.2% of the tree population, compared to 12.0 in 2000. The relatively low percentage of Argentina's tree population in the non-bearing category suggests decline in the future production.

Table 1. Argentina Grapefruit and pomelo Area, Yields and Production.

| year | Area harvested | Yield per hectare | Production |
|-------|----------------|--------------------|------------|
| | HA | MT/HA | MT |
| 1990 | 9,100 | 18.310 | 166,580 |
| 1991 | 10,390 | 19.620 | 203,900 |
| 1992 | 9,300 | 20.620 | 191,900 |
| 1993 | 10,030 | 19.590 | 196,540 |
| 1994 | 11,540 | 19.820 | 228,670 |
| 1995 | 9,530 | 20.550 | 195,920 |
| 1996 | 9,600 | 17.380 | 166,780 |
| 1997 | 9,440 | 24.660 | 232,770 |
| 1998 | 9,340 | 23.130 | 216,070 |
| 1999 | 10,750 | 19.100 | 205,270 |
| 2000 | 11,700 | 18.620 | 217,910 |
| 2001 | 12,000 | 16.620 | 199,490 |
| 2002 | 12,000 | 17.060 | 204,750 |
| 2003 | 12,000 | 15.350 | 184,160 |
| 2004 | 12,000 | 14.170 | 170,000 |
| 2005 | 12,000 | 14.167 | 170,000 |
| | | Annual Growth Rate | |
| 90-95 | 0.9% | 2.3% | 3.3% |
| 95-00 | 4.2% | -2.0% | 2.2% |
| 00-05 | 0.5% | -5.3% | -4.8% |

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

Table 2. World Grapefruit Production

| | Argentina | China | Cuba | Greece | Israel | Mexico | South Africa | Turkey | U. S. | Other | World |
|-----------------------------|-----------|-------|------|--------|--------|--------|--------------|--------|-------|-------|--------|
| -----1,000 Metric Tons----- | | | | | | | | | | | |
| 1990 | 167 | 130 | 331 | 5 | 404 | 107 | 101 | 33 | 1,794 | 987 | 4,060 |
| 1991 | 204 | 164 | 272 | 7 | 379 | 98 | 113 | 42 | 2,047 | 955 | 4,280 |
| 1992 | 192 | 153 | 326 | 8 | 336 | 107 | 102 | 40 | 2,018 | 984 | 4,266 |
| 1993 | 197 | 195 | 248 | 8 | 413 | 112 | 89 | 48 | 2,532 | 1,016 | 4,858 |
| 1994 | 229 | 190 | 235 | 7 | 338 | 137 | 120 | 54 | 2,414 | 981 | 4,703 |
| 1995 | 196 | 247 | 271 | 7 | 404 | 161 | 128 | 65 | 2,642 | 1,019 | 5,140 |
| 1996 | 167 | 246 | 365 | 6 | 379 | 246 | 158 | 75 | 2,466 | 1,000 | 5,108 |
| 1997 | 233 | 276 | 306 | 7 | 435 | 222 | 155 | 55 | 2,617 | 977 | 5,284 |
| 1998 | 216 | 254 | 338 | 7 | 377 | 168 | 196 | 100 | 2,352 | 951 | 4,960 |
| 1999 | 205 | 310 | 261 | 6 | 372 | 211 | 212 | 140 | 2,280 | 999 | 4,997 |
| 2000 | 218 | 268 | 444 | 7 | 246 | 263 | 268 | 130 | 2,506 | 984 | 5,334 |
| 2001 | 199 | 323 | 302 | 8 | 330 | 320 | 233 | 135 | 2,233 | 985 | 5,069 |
| 2002 | 205 | 357 | 137 | 8 | 252 | 269 | 268 | 125 | 2,199 | 1,005 | 4,825 |
| 2003 | 184 | 401 | 228 | 7 | 256 | 258 | 256 | 135 | 1,872 | 999 | 4,595 |
| 2004 | 170 | 433 | 225 | 7 | 236 | 260 | 233 | 135 | 1,964 | 1,014 | 4,677 |
| 2005 | 170 | 443 | 226 | 8 | 264 | 265 | 212 | 150 | 914 | 1,023 | 3,675 |
| -----% of World----- | | | | | | | | | | | |
| 1990 | 4.1% | 3.2% | 8.2% | 0.1% | 10.0% | 2.6% | 2.5% | 0.8% | 44.2% | 24.3% | 100.0% |
| 1991 | 4.8% | 3.8% | 6.3% | 0.2% | 8.9% | 2.3% | 2.6% | 1.0% | 47.8% | 22.3% | 100.0% |
| 1992 | 4.5% | 3.6% | 7.6% | 0.2% | 7.9% | 2.5% | 2.4% | 0.9% | 47.3% | 23.1% | 100.0% |
| 1993 | 4.0% | 4.0% | 5.1% | 0.2% | 8.5% | 2.3% | 1.8% | 1.0% | 52.1% | 20.9% | 100.0% |
| 1994 | 4.9% | 4.0% | 5.0% | 0.1% | 7.2% | 2.9% | 2.6% | 1.1% | 51.3% | 20.9% | 100.0% |
| 1995 | 3.8% | 4.8% | 5.3% | 0.1% | 7.9% | 3.1% | 2.5% | 1.3% | 51.4% | 19.8% | 100.0% |
| 1996 | 3.3% | 4.8% | 7.1% | 0.1% | 7.4% | 4.8% | 3.1% | 1.5% | 48.3% | 19.6% | 100.0% |
| 1997 | 4.4% | 5.2% | 5.8% | 0.1% | 8.2% | 4.2% | 2.9% | 1.0% | 49.5% | 18.5% | 100.0% |
| 1998 | 4.4% | 5.1% | 6.8% | 0.1% | 7.6% | 3.4% | 4.0% | 2.0% | 47.4% | 19.2% | 100.0% |
| 1999 | 4.1% | 6.2% | 5.2% | 0.1% | 7.4% | 4.2% | 4.2% | 2.8% | 45.6% | 20.0% | 100.0% |
| 2000 | 4.1% | 5.0% | 8.3% | 0.1% | 4.6% | 4.9% | 5.0% | 2.4% | 47.0% | 18.5% | 100.0% |
| 2001 | 3.9% | 6.4% | 6.0% | 0.1% | 6.5% | 6.3% | 4.6% | 2.7% | 44.1% | 19.4% | 100.0% |
| 2002 | 4.2% | 7.4% | 2.8% | 0.2% | 5.2% | 5.6% | 5.6% | 2.6% | 45.6% | 20.8% | 100.0% |
| 2003 | 4.0% | 8.7% | 5.0% | 0.2% | 5.6% | 5.6% | 5.6% | 2.9% | 40.7% | 21.7% | 100.0% |
| 2004 | 3.6% | 9.3% | 4.8% | 0.1% | 5.0% | 5.6% | 5.0% | 2.9% | 42.0% | 21.7% | 100.0% |
| 2005 | 4.6% | 12.1% | 6.1% | 0.2% | 7.2% | 7.2% | 5.8% | 4.1% | 24.9% | 27.8% | 100.0% |

Source: FAOSTAT(<http://faostat.fao.org/site/567/DesktopDefault.aspx?PageID=567>)

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

| Year | Production | Imports | Total Supply | Exports | Fresh Domestic | 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 |
| -----% Total Supply----- | | | | | | |
| 1991/1992 | 98.3% | 1.7% | 100.0% | 26.6% | 41.6% | 31.8% |
| 1992/1993 | 97.3% | 2.7% | 100.0% | 19.2% | 39.6% | 41.2% |
| 1993/1994 | 97.0% | 3.0% | 100.0% | 12.9% | 55.2% | 31.8% |
| 1994/1995 | 98.6% | 1.4% | 100.0% | 17.5% | 64.0% | 18.5% |
| 1995/1996 | 96.4% | 3.6% | 100.0% | 15.2% | 70.1% | 14.7% |
| 1996/1997 | 97.4% | 2.6% | 100.0% | 12.8% | 71.1% | 16.2% |
| 1997/1998 | 97.4% | 2.6% | 100.0% | 12.8% | 71.1% | 16.2% |
| 1998/1999 | 96.7% | 3.3% | 100.0% | 11.4% | 64.7% | 23.9% |
| 1999/2000 | 95.9% | 4.1% | 100.0% | 9.1% | 50.3% | 40.6% |
| 2000/2001 | 96.7% | 3.3% | 100.0% | 13.1% | 48.1% | 38.8% |
| 2001/2002 | 98.3% | 1.7% | 100.0% | 14.5% | 43.4% | 42.2% |
| 2002/2003 | 99.5% | 0.5% | 100.0% | 16.1% | 26.9% | 57.0% |
| 2003/2004 | 100.0% | 0.0% | 100.0% | 18.8% | 34.4% | 46.9% |
| 2004/2005 | 100.0% | 0.0% | 100.0% | 21.8% | 25.3% | 52.9% |
| 2005/2006 | 100.0% | 0.0% | 100.0% | 26.7% | 26.7% | 46.7% |

Source: <http://www.fas.usda.gov/psdonline/psdquery.aspx>

Table 3b. Argentina Fresh Grapefruit: Share of World

| Year | Production | Imports | Total Supply | Exports | Fresh Domestic | Processed |
|-----------|----------------------|---------|--------------|---------|----------------|-----------|
| | -----% of World----- | | | | | |
| 1991/1992 | 5.2% | 0.8% | 4.7% | 4.9% | 5.4% | 3.9% |
| 1992/1993 | 4.5% | 1.4% | 4.3% | 4.2% | 5.1% | 3.7% |
| 1993/1994 | 5.4% | 1.8% | 5.1% | 3.0% | 8.2% | 3.6% |
| 1994/1995 | 5.2% | 0.9% | 4.9% | 4.1% | 9.4% | 2.0% |
| 1995/1996 | 5.4% | 2.3% | 5.2% | 3.7% | 10.3% | 1.7% |
| 1996/1997 | 5.7% | 1.7% | 5.4% | 3.2% | 10.5% | 2.1% |
| 1997/1998 | 6.2% | 2.1% | 5.9% | 3.7% | 12.0% | 2.1% |
| 1998/1999 | 5.0% | 1.9% | 4.7% | 2.5% | 8.6% | 2.6% |
| 1999/2000 | 4.8% | 2.4% | 4.6% | 2.3% | 7.1% | 3.8% |
| 2000/2001 | 4.6% | 1.8% | 4.4% | 3.2% | 6.2% | 3.6% |
| 2001/2002 | 4.7% | 0.8% | 4.3% | 3.1% | 5.5% | 3.9% |
| 2002/2003 | 3.9% | 0.3% | 3.6% | 3.8% | 1.8% | 6.6% |
| 2003/2004 | 3.3% | 0.0% | 3.0% | 3.4% | 1.8% | 5.5% |
| 2004/2005 | 4.3% | 0.0% | 4.0% | 5.1% | 1.5% | 11.5% |
| 2005/2006 | 3.5% | 0.0% | 3.3% | 4.8% | 1.5% | 7.4% |

Source: <http://www.fas.usda.gov/psdonline/psdquery.aspx>

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

| Year | Production | Imports | Total Supply | Exports | Fresh Domestic | 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 |
| -----% 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% |

Source: <http://www.fas.usda.gov/psdonline/psdquery.aspx>

Table 4b. U.S. Grapefruit: Share of World

| Year | Production | Imports | Total Supply | Exports | Fresh Domestic | Processed |
|-----------|----------------------|---------|--------------|---------|----------------|-----------|
| | -----% of World----- | | | | | |
| 1991/1992 | 61.3% | 2.9% | 55.2% | 48.4% | 51.5% | 63.2% |
| 1992/1993 | 65.0% | 3.3% | 59.7% | 52.9% | 51.2% | 68.5% |
| 1993/1994 | 66.1% | 4.5% | 60.9% | 53.2% | 53.0% | 70.8% |
| 1994/1995 | 66.4% | 3.8% | 61.5% | 53.5% | 50.3% | 73.3% |
| 1995/1996 | 61.6% | 4.4% | 57.1% | 54.9% | 46.7% | 66.4% |
| 1996/1997 | 65.2% | 3.8% | 60.3% | 50.8% | 47.9% | 76.0% |
| 1997/1998 | 63.7% | 1.8% | 59.3% | 48.5% | 53.1% | 69.1% |
| 1998/1999 | 63.7% | 4.9% | 58.8% | 51.3% | 52.6% | 67.5% |
| 1999/2000 | 63.6% | 1.8% | 58.8% | 50.1% | 46.6% | 70.3% |
| 2000/2001 | 58.7% | 5.6% | 54.3% | 51.1% | 43.8% | 63.2% |
| 2001/2002 | 60.2% | 7.6% | 55.5% | 49.7% | 44.5% | 66.0% |
| 2002/2003 | 39.3% | 4.8% | 36.9% | 45.1% | 19.7% | 62.5% |
| 2003/2004 | 40.3% | 4.9% | 37.8% | 44.2% | 18.4% | 75.5% |
| 2004/2005 | 23.2% | 4.6% | 21.9% | 31.6% | 12.7% | 45.6% |
| 2005/2006 | 26.4% | 6.9% | 25.2% | 31.3% | 11.2% | 60.7% |

Source: <http://www.fas.usda.gov/psdonline/psdquery.aspx>

Table 5. Argentina 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 | 45,881 | 12,191 | 5,188 | 6,463 | | |
| 1991 | 41,619 | 14,217 | 3,302 | 3,423 | | |
| 1992 | 45,231 | 16,155 | 4,580 | 7,032 | | |
| 1993 | 28,402 | 9,877 | 3,322 | 5,378 | | |
| 1994 | 27,438 | 9,159 | 1,697 | 2,621 | 156 | 124 |
| 1995 | 36,322 | 15,806 | 2,704 | 4,011 | | |
| 1996 | 34,339 | 16,031 | 1,136 | 1,526 | | |
| 1997 | 29,543 | 13,376 | 651 | 546 | | |
| 1998 | 27,136 | 12,590 | 485 | 381 | | |
| 1999 | 21,391 | 9,659 | 1,393 | 1,712 | | |
| 2000 | 17,597 | 7,854 | 784 | 1,108 | | |
| 2001 | 23,993 | 9,780 | 1,926 | 2,188 | | |
| 2002 | 22,891 | 6,349 | 3,046 | 2,521 | 2 | 1 |
| 2003 | 29,183 | 9,212 | 4,553 | 3,549 | 6 | 2 |
| 2004 | 30,345 | 10,882 | 3,071 | 2,713 | 5 | 2 |

Source: FAOSTAT(<http://faostat.fao.org/site/535/DesktopDefault.aspx?PageID=535>)

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 | 11.407 | 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 | 0.712 | 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 |
| Cuba | 0.378 | 0.242 | 0.350 | 0.231 | 0.292 | 0.149 | 0.255 | 0.089 |
| China | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.002 | 0.010 | 0.079 |
| 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% | 8.6% | 11.3% | 12.5% | 11.2% | 12.0% | 12.5% | 10.4% |
| Argentina | 6.4% | 4.7% | 3.7% | 5.0% | 4.0% | 8.7% | 5.2% | 8.5% |
| Honduras | 3.7% | 2.9% | 3.8% | 3.3% | 2.5% | 2.9% | 2.8% | 4.3% |
| Cyprus | 4.3% | 4.5% | 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% |
| Cuba | 3.4% | 2.2% | 3.4% | 2.5% | 2.6% | 1.8% | 2.9% | 1.1% |
| China | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.1% | 1.0% |
| other | 1.0% | 1.2% | 0.7% | 0.5% | 0.9% | 0.6% | 1.1% | 2.4% |

Source: World Trade Atlas (Eurostat)

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 | 2005-06 |
|----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -----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 | 5.563 | 4.217 |
| U.S. | 6.480 | 6.150 | 5.839 | 4.932 | 5.562 | 5.383 | 5.450 | 5.400 | 5.086 | 5.705 | 2.708 | 2.369 |
| S. Africa | 0.078 | 0.204 | 0.547 | 0.358 | 0.579 | 0.756 | 1.370 | 1.208 | 1.538 | 1.792 | 2.331 | 1.531 |
| Israel | 0.472 | 0.596 | 0.539 | 0.613 | 0.400 | 0.477 | 0.414 | 0.257 | 0.200 | 0.217 | 0.324 | 0.231 |
| Swaziland | 0.251 | 0.225 | 0.270 | 0.190 | 0.164 | 0.156 | 0.174 | 0.143 | 0.098 | 0.157 | 0.113 | 0.082 |
| Argentina | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.001 | 0.001 |
| Other | 0.001 | 0.002 | 0.001 | 0.000 | 0.012 | 0.012 | 0.002 | 0.003 | 0.004 | 0.021 | 0.086 | 0.004 |
| -----% of Total----- | | | | | | | | | | | | |
| 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% |
| U.S. | 89.0% | 85.7% | 81.2% | 80.9% | 82.8% | 79.4% | 73.5% | 77.0% | 73.4% | 72.3% | 48.7% | 56.2% |
| S. Africa | 1.1% | 2.8% | 7.6% | 5.9% | 8.6% | 11.1% | 18.5% | 17.2% | 22.2% | 22.7% | 41.9% | 36.3% |
| Israel | 6.5% | 8.3% | 7.5% | 10.1% | 6.0% | 7.0% | 5.6% | 3.7% | 2.9% | 2.7% | 5.8% | 5.5% |
| Swaziland | 3.4% | 3.1% | 3.8% | 3.1% | 2.4% | 2.3% | 2.3% | 2.0% | 1.4% | 2.0% | 2.0% | 1.9% |
| Argentina | 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 | 0.0% | 0.0% | 0.0% | 0.0% | 0.2% | 0.2% | 0.0% | 0.0% | 0.1% | 0.3% | 1.5% | 0.1% |

Source: World Trade Atlas(Japan 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 | 2005-06 |
|----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -----Million 85-pound Boxes----- | | | | | | | | | | | |
| The World | 1.920 | 1.948 | 1.516 | 1.493 | 1.474 | 1.364 | 1.494 | 1.378 | 1.304 | 1.263 | 1.163 |
| United States | 1.884 | 1.878 | 1.439 | 1.427 | 1.328 | 1.237 | 1.329 | 1.181 | 1.155 | 0.963 | 0.907 |
| South Africa | 0.026 | 0.041 | 0.058 | 0.038 | 0.121 | 0.086 | 0.092 | 0.134 | 0.081 | 0.122 | 0.140 |
| Mexico | 0.003 | 0.014 | 0.009 | 0.006 | 0.010 | 0.002 | 0.006 | 0.005 | 0.020 | 0.101 | 0.042 |
| Argentina | 0.000 | 0.000 | 0.001 | 0.013 | 0.006 | 0.020 | 0.014 | 0.008 | 0.005 | 0.004 | 0.007 |
| other | 0.007 | 0.015 | 0.009 | 0.010 | 0.010 | 0.020 | 0.053 | 0.050 | 0.043 | 0.072 | 0.066 |
| -----% of Total----- | | | | | | | | | | | |
| The 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 | 98.1% | 96.4% | 94.9% | 95.6% | 90.1% | 90.6% | 88.9% | 85.7% | 88.6% | 76.3% | 78.0% |
| South Africa | 1.4% | 2.1% | 3.8% | 2.5% | 8.2% | 6.3% | 6.2% | 9.7% | 6.2% | 9.7% | 12.1% |
| Mexico | 0.2% | 0.7% | 0.6% | 0.4% | 0.7% | 0.1% | 0.4% | 0.3% | 1.6% | 8.0% | 3.6% |
| Argentina | 0.0% | 0.0% | 0.1% | 0.8% | 0.4% | 1.4% | 0.9% | 0.6% | 0.4% | 0.3% | 0.6% |
| other | 0.3% | 0.8% | 0.6% | 0.7% | 0.7% | 1.4% | 3.6% | 3.6% | 3.3% | 5.7% | 5.7% |

Source: World Trade Atlas(Statistics Canada)

Table 9. Fresh Grapefruit Imports, By Market, 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 |
| | Argentina | 0.000 | 0.000 | 0.000 | 0.003 | 0.095 | 0.203 | 0.145 | 0.077 | 0.033 | 0.006 | 0.000 | 0.000 | 0.563 |
| | Other | 0.398 | 0.447 | 0.488 | 0.638 | 0.505 | 0.835 | 0.709 | 0.453 | 0.420 | 0.586 | 0.603 | 0.344 | 6.425 |
| 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 |
| | Argentina | 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 | 0.326 | 0.564 | 0.388 | 0.126 | 0.010 | 0.176 | 0.128 | 1.782 |
| 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 |
| | Argentina | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.002 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.008 |
| | Other | 0.006 | 0.004 | 0.004 | 0.002 | 0.007 | 0.034 | 0.030 | 0.021 | 0.012 | 0.010 | 0.010 | 0.007 | 0.146 |
| -----% 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% |
| | Argentina | 0.0% | 0.0% | 0.0% | 0.3% | 12.4% | 19.1% | 17.0% | 14.5% | 7.3% | 0.8% | 0.0% | 0.0% | 5.7% |
| | Other | 46.4% | 46.4% | 48.3% | 62.7% | 65.9% | 78.7% | 82.9% | 85.5% | 91.9% | 82.5% | 63.9% | 50.7% | 65.2% |
| 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% |
| | Argentina | 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% | 61.9% | 81.4% | 81.1% | 88.4% | 9.6% | 41.6% | 28.3% | 26.1% |
| 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% |
| | Argentina | 0.0% | 0.0% | 0.0% | 0.0% | 0.2% | 2.0% | 2.9% | 4.3% | 2.4% | 0.2% | 0.0% | 0.0% | 0.6% |
| | Other | 3.3% | 3.0% | 2.2% | 1.6% | 5.7% | 34.3% | 42.1% | 37.4% | 18.1% | 7.3% | 6.8% | 5.7% | 10.1% |

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

Table 10. US GJ imports

| | Oct 00-Sep 01 | Oct 01-Sep 02 | Oct 02-Sep 03 | Oct 03-Sep 04 | Oct 04-Sep 05 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| -----Million \$----- | | | | | |
| World | 1.407 | 0.702 | 0.792 | 0.921 | 18.781 |
| Mexico | 0.201 | 0.027 | 0.093 | 0.279 | 13.906 |
| Belize | 0.587 | 0.000 | 0.000 | 0.000 | 3.289 |
| S. Africa | 0.002 | 0.000 | 0.032 | 0.055 | 0.033 |
| Argentina | 0.000 | 0.000 | 0.010 | 0.000 | 0.195 |
| Other | 0.617 | 0.675 | 0.657 | 0.587 | 1.358 |
| -----% of World----- | | | | | |
| World | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| Mexico | 14.31 | 3.92 | 11.80 | 30.33 | 74.04 |
| Belize | 41.70 | 0.00 | 0.00 | 0.00 | 17.51 |
| S. Africa | 0.14 | 0.00 | 4.02 | 5.95 | 0.18 |
| Argentina | 0.00 | 0.00 | 1.24 | 0.00 | 1.04 |
| Other | 43.85 | 96.08 | 82.94 | 63.72 | 7.23 |

Source: World Trade Atlas(U.S. Dept. of Commerce, Bureau of Census)

Table 11. E.U. GJ Imports

| Country | Oct 97- | Oct 98- | Oct 99- | Oct 00- | Oct 01- | Oct 02- | Oct 03- | Oct 04- |
|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| -----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 |
| 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 |
| Mexico | 0.467 | 1.009 | 0.521 | 0.940 | 0.580 | 0.477 | 0.039 | 2.091 |
| Argentina | 0.281 | 0.306 | 1.384 | 0.974 | 2.442 | 2.534 | 2.523 | 2.140 |
| other | 2.856 | 2.984 | 5.242 | 3.023 | 4.067 | 2.610 | 3.717 | 4.641 |
| -----% 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% |
| 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% |
| Mexico | 0.7% | 1.5% | 0.5% | 0.9% | 0.6% | 0.5% | 0.0% | 2.0% |
| Argentina | 0.4% | 0.4% | 1.4% | 1.0% | 2.6% | 2.7% | 2.8% | 2.1% |
| other | 4.3% | 4.3% | 5.4% | 3.0% | 4.3% | 2.8% | 4.2% | 4.5% |

Source: World Trade Atlas (Eurostat)

Table 12. Japan GJ Imports

| Country | Oct 94- | Oct 95- | Oct 96- | Oct 97- | Oct 98- | Oct 99- | Oct 00- | Oct 01- | Oct 02- | Oct 03- | Oct 04- |
|-----------|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | Sep 95 | Sep 96 | Sep 97 | Sep 98 | Sep 99 | Sep 00 | Sep 01 | Sep 02 | Sep 03 | Sep 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 |
| S. 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 |
| Mexico | 0.000 | 0.234 | 0.030 | 0.000 | 0.000 | 0.040 | 0.000 | 0.144 | 0.000 | 0.000 | 3.250 |
| Argentina | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.021 | 0.000 | 0.000 | 0.276 |
| Other | 0.499 | 0.821 | 0.568 | 0.772 | 1.252 | 1.527 | 3.067 | 4.995 | 4.699 | 6.617 | 7.607 |
| | -----% 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% |
| South | 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% |
| Mexico | 0.0% | 0.6% | 0.1% | 0.0% | 0.0% | 0.1% | 0.0% | 0.3% | 0.0% | 0.0% | 4.2% |
| Argentina | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.4% |
| other | 1.6% | 2.2% | 2.2% | 4.0% | 4.4% | 2.9% | 5.5% | 9.4% | 8.9% | 13.0% | 9.9% |

Source: World Trade Atlas(Japan Customs)

Table 13. Canada GJ Imports

| Country | Oct 95- | Oct | Oct | Oct | Oct | Oct | Oct | Oct | Oct | Oct |
|----------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -----Million \$----- | | | | | | | | | | |
| The 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 |
| Argentina | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.129 | 0.010 | 0.000 | 0.025 |
| South | 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 |
| Mexico | 0.011 | 0.446 | 0.118 | 0.097 | 0.489 | 0.153 | 0.067 | 0.024 | 0.058 | 0.353 |
| other | 0.007 | 0.059 | 0.002 | 0.021 | 0.442 | 0.031 | 0.095 | 0.292 | 0.113 | 0.134 |
| -----% of World----- | | | | | | | | | | |
| The 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% |
| Argentina | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 1.0% | 0.1% | 0.0% | 0.2% |
| South | 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% |
| Mexico | 0.1% | 3.8% | 1.1% | 0.8% | 3.4% | 1.1% | 0.5% | 0.2% | 0.5% | 3.2% |
| other | 0.1% | 0.5% | 0.0% | 0.2% | 3.0% | 0.2% | 0.8% | 2.2% | 0.9% | 1.2% |

Source: World Trade Atlas(Statistics Canada)

Table 14. Argentina Grapefruit Trees.

| Year | Non-Bearing | Bearing | Total |
|------|-----------------------|---------|--------|
| | -----1,000 Trees----- | | |
| 2000 | 396 | 2,900 | 3,296 |
| 2001 | 150 | 2,950 | 3,100 |
| 2002 | 150 | 2,950 | 3,100 |
| 2003 | 100 | 3,000 | 3,100 |
| 2004 | 100 | 3,000 | 3,100 |
| 2005 | 100 | 3,000 | 3,100 |
| | -----% of Total----- | | |
| 2000 | 12.0% | 88.0% | 100.0% |
| 2001 | 4.8% | 95.2% | 100.0% |
| 2002 | 4.8% | 95.2% | 100.0% |
| 2003 | 3.2% | 96.8% | 100.0% |
| 2004 | 3.2% | 96.8% | 100.0% |
| 2005 | 3.2% | 96.8% | 100.0% |

Source: USDA, FAS(Gain Report-Argentina Citrus 2003-2006).

Appendix

Source: USDA, FAS, created Oct, 23, 2006 (<http://www.fas.usda.gov/psdonline/psdquery.aspx>).

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

| Year | 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.

| Year | 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.

| Year | 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.

| Year | 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 |
| 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.

| Year | 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.

| Year | 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.

| Year | 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. Mexico Fresh Grapefruit: Production, Supply and Distribution.

| Year | 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 |

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

| Year | 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.

| Year | 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.

| Year | 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 |