

# **FLORIDA FRESH CITRUS SHIPMENTS 1997-98 Annual Report**

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## LIST OF TABLES

| <b><u>Table</u></b>   | <b><u>Page</u></b> |
|---|--------------------|
| 1 Total Shipments of Florida Fresh Citrus, 1988-89 Through 1997-98 Seasons . . . . .  | 3                  |
| 2 Total Domestic Shipments of Florida Fresh Citrus, 1988-89 Through 1997-98<br>Seasons . . . . .                            | 4                  |
| 3 Total Canadian Shipments of Florida Fresh Citrus, 1988-89 Through 1997-98<br>Seasons . . . . .                            | 5                  |
| 4 Total Offshore Shipments of Florida Fresh Citrus, 1988-89 Through 1997-98<br>Seasons . . . . .                            | 6                  |
| 5 Total Shipments of Florida Fresh Citrus, 1997-98 Season . . . . .   | 7                  |
| 6 Total Domestic Shipments of Florida Fresh Citrus, 1997-98 Season . . . . .  | 8                  |
| 7 Total Canadian Shipments of Florida Fresh Citrus, 1997-98 Season . . . . .  | 9                  |
| 8 Total Offshore Shipments of Florida Fresh Citrus, 1997-98 Season . . . . .  | 10                 |
| 9 Market Ranking of Fresh Florida Grapefruit, Top 35 Domestic and Canadian<br>Market Areas, 1997-98 Season . . . . .        | 11                 |
| 10 Market Ranking of Fresh Florida Oranges, Top 35 Domestic and Canadian<br>Market Areas, 1997-98 Season . . . . .          | 12                 |
| 11 Market Ranking of Fresh Florida Temples, Top 35 Domestic and Canadian<br>Market Areas, 1997-98 Season . . . . .          | 13                 |
| 12 Market Ranking of Fresh Florida Tangelos, Top 35 Domestic and Canadian<br>Market Areas, 1997-98 Season . . . . .         | 14                 |
| 13 Market Ranking of Fresh Florida Other Tangerines, Top 35 Domestic and Canadian<br>Market Areas, 1997-98 Season . . . . . | 15                 |
| 14 Market Ranking of Fresh Florida Honey Tangerines, Top 35 Domestic and<br>Canadian Market Areas, 1997-98 Season . . . . . | 16                 |

## **LIST OF TABLES (Cont.)**

| <b><u>Table</u></b> |   | <b><u>Page</u></b> |
|---------------------|---|--------------------|
| 15                  | Offshore Shipments of Florida Fresh Grapefruit, 1988-89 Through 1997-98<br>Seasons .....          | 17                 |
| 16                  | Offshore Shipments of Florida Fresh Oranges and Temples, 1988-89 Through<br>1997-98 Seasons ..... | 18                 |

# **Florida Fresh Citrus Shipments 1997-98 Annual Report**

## **Purpose**

This report provides a summary of fresh citrus shipment data for the 1997-98 season. It contains information on shipments of oranges, grapefruit, Temples, tangelos and tangerines for the domestic and export markets. The report is based on data collected by the Division of Fruit and Vegetable Inspection of the Florida Department of Agriculture.

The information is tabulated in three ways:

- (1) annually with comparisons of shipments in previous seasons,
- (2) by time period during the shipping season, and
- (3) by major markets for each variety.

## **Highlights**

Florida fresh citrus shipments totaled 66.0 million 4/5-bushel cartons in 1997-98, down 9% from the 72.5 million cartons shipped in 1996-97. Honey tangerine shipments were up, while all other varieties showed decreases.

Fresh grapefruit shipments accounted for 61% of the fresh volume in 1997-98. Offshore markets accounted for 48% of those shipments, and showed a 15.6% decrease over last season. Domestic grapefruit shipments showed a 3.1% decrease and shipments to Canada were down 6.9%.

Fresh round-orange shipments represented 26.4% of the fresh volume, and Temple shipments represented an additional 1.3%. Orange shipments totaled 17.4 million 4/5-bushel

cartons in 1997-98, which represents a 6.8% decline from the 18.7 million cartons in the previous season. Other tangerine (including Robinson, Sunburst, Fallglo, etc.) and tangelo shipments decreased 25.7% and 15.5%, respectively, over last season. Honey tangerine shipments, the only variety to show an increase, were up 33.3% over last season.

Table 1. Total shipments of Florida fresh citrus, 1988-89 through 1997-98 seasons.

| Variety                              | 1988-89         | 1989-90         | 1990-91         | 1991-92         | 1992-93         | 1993-94         | 1994-95         | 1995-96         | 1996-97         | 1997-98         |
|--------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| ----- 1,000 4/5-bushel cartons ----- |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Grapefruit                           | 46,363.2        | 25,709.5        | 46,436.4        | 43,862.8        | 44,195.6        | 43,026.6        | 42,404.8        | 43,534.5        | 44,223.7        | 39,921.7        |
| Oranges                              | 15,844.7        | 10,697.3        | 23,107.2        | 20,724.0        | 19,096.0        | 17,479.8        | 18,001.6        | 16,984.6        | 18,690.1        | 17,411.0        |
| Temples                              | 1,504.5         | 212.6           | 1,353.2         | 1,539.7         | 1,671.3         | 1,391.2         | 1,377.5         | 1,204.0         | 879.0           | 850.6           |
| Tangelos                             | 2,336.5         | 1,950.0         | 1,961.7         | 2,235.8         | 2,241.2         | 1,838.5         | 1,803.6         | 1,614.2         | 1,583.6         | 1,338.8         |
| Honey Tangerines                     | 1,427.2         | 367.1           | 1,272.5         | 1,795.3         | 1,823.0         | 2,384.8         | 1,595.3         | 2,114.2         | 1,958.1         | 2,610.0         |
| Other Tangerines                     | 1,703.6         | 1,113.5         | 549.4           | 1,907.2         | 2,090.5         | 3,352.5         | 3,386.6         | 3,874.7         | 5,163.4         | 3,836.5         |
| <b>TOTAL<sup>a</sup></b>             | <b>69,179.7</b> | <b>40,049.7</b> | <b>74,680.3</b> | <b>72,064.8</b> | <b>71,117.6</b> | <b>69,473.3</b> | <b>68,569.5</b> | <b>69,326.1</b> | <b>72,498.0</b> | <b>65,968.4</b> |

<sup>a</sup>Columns may not add up to totals due to rounding.

Table 2. Total domestic shipments of Florida fresh citrus, 1988-89 through 1997-98 seasons.

| Variety                              | 1988-89         | 1989-90         | 1990-91         | 1991-92         | 1992-93         | 1993-94         | 1994-95         | 1995-96         | 1996-97         | 1997-98         |
|--------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| ----- 1,000 4/5-bushel cartons ----- |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Grapefruit                           | 19,482.1        | 14,276.0        | 23,467.4        | 22,243.6        | 22,908.8        | 19,472.3        | 19,560.8        | 18,229.9        | 18,638.4        | 18,061.6        |
| Oranges                              | 14,598.9        | 9,963.6         | 20,763.7        | 19,047.8        | 17,422.0        | 15,909.4        | 15,923.2        | 15,201.0        | 16,950.6        | 15,969.0        |
| Temples                              | 1,421.9         | 203.1           | 1,284.8         | 1,458.7         | 1,611.5         | 1,335.6         | 1,326.7         | 1,139.1         | 837.1           | 808.8           |
| Tangelos                             | 2,246.4         | 1,875.0         | 1,903.6         | 2,167.6         | 2,185.4         | 1,793.3         | 1,776.6         | 1,582.3         | 1,548.4         | 1,316.1         |
| Honey Tangerines                     | 1,245.2         | 315.5           | 1,143.5         | 1,620.6         | 1,649.0         | 2,152.8         | 1,422.6         | 1,891.6         | 1,785.3         | 2,386.3         |
| Other Tangerines                     | 1,640.0         | 1,058.8         | 518.4           | 1,792.5         | 1,986.6         | 3,194.1         | 3,188.7         | 3,661.9         | 4,890.6         | 3,631.9         |
| <b>TOTAL<sup>a</sup></b>             | <b>40,634.5</b> | <b>27,692.0</b> | <b>49,081.4</b> | <b>48,330.7</b> | <b>47,763.3</b> | <b>43,857.5</b> | <b>43,198.6</b> | <b>41,705.9</b> | <b>44,650.4</b> | <b>42,173.7</b> |

<sup>a</sup>Columns may not add up to totals due to rounding.

Table 3. Total Canadian shipments of Florida fresh citrus, 1988-89 through 1997-98 seasons.

| Variety                              | 1988-89        | 1989-90        | 1990-91        | 1991-92        | 1992-93        | 1993-94        | 1994-95        | 1995-96        | 1996-97        | 1997-98        |
|--------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| ----- 1,000 4/5-bushel cartons ----- |                |                |                |                |                |                |                |                |                |                |
| Grapefruit                           | 3,312.8        | 2,106.0        | 3,616.0        | 2,982.5        | 3,808.8        | 3,206.3        | 3,132.7        | 2,960.1        | 3,041.7        | 2,832.5        |
| Oranges                              | 1,091.5        | 720.6          | 1,670.7        | 1,278.7        | 1,489.6        | 1,224.5        | 1,324.8        | 1,141.1        | 1,292.7        | 1,106.7        |
| Temples                              | 82.6           | 8.7            | 68.3           | 79.4           | 59.8           | 55.6           | 50.8           | 60.1           | 40.8           | 41.8           |
| Tangelos                             | 89.2           | 72.8           | 58.1           | 68.1           | 55.8           | 44.2           | 26.7           | 31.9           | 35.3           | 22.6           |
| Honey Tangerines                     | 153.8          | 47.7           | 121.6          | 160.9          | 152.4          | 193.2          | 154.9          | 188.1          | 135.1          | 181.8          |
| Other Tangerines                     | 61.2           | 54.7           | 24.9           | 98.9           | 85.9           | 138.2          | 160.2          | 194.0          | 241.3          | 182.7          |
| <b>TOTAL<sup>a</sup></b>             | <b>4,791.1</b> | <b>3,010.5</b> | <b>5,559.6</b> | <b>4,668.5</b> | <b>5,652.3</b> | <b>4,862.0</b> | <b>4,850.2</b> | <b>4,575.3</b> | <b>4,786.9</b> | <b>4,368.0</b> |

<sup>a</sup>Columns may not add up to totals due to rounding.



Table 4. Total offshore shipments of Florida fresh citrus, 1988-89 through 1997-98 seasons.

| Variety                              | 1988-89         | 1989-90        | 1990-91         | 1991-92         | 1992-93         | 1993-94         | 1994-95         | 1995-96         | 1996-97         | 1997-98         |
|--------------------------------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| ----- 1,000 4/5-bushel cartons ----- |                 |                |                 |                 |                 |                 |                 |                 |                 |                 |
| Grapefruit                           | 23,568.3        | 9,327.5        | 19,353.0        | 18,636.7        | 17,478.1        | 20,348.0        | 19,711.3        | 22,344.5        | 22,543.6        | 19,027.6        |
| Oranges                              | 154.3           | 13.0           | 672.8           | 397.5           | 184.4           | 345.9           | 753.6           | 642.5           | 446.8           | 335.2           |
| Temple                               | .0              | .7             | <sup>a</sup>    | 1.6             | .0              | .0              | .0              | 4.8             | 1.1             | 0.0             |
| Tangelos                             | .9              | 1.9            | .0              | .1              | .0              | .9              | .2              | .0              | 0.0             | 0.1             |
| Honey Tangerines                     | 28.2            | 4.0            | 7.4             | 13.8            | 21.6            | 38.9            | 17.9            | 34.4            | 37.7            | 41.9            |
| Other Tangerines                     | 2.4             | <sup>a</sup>   | 6.0             | 15.8            | 18.0            | 20.2            | 37.6            | 18.8            | 31.6            | 21.9            |
| <b>TOTAL<sup>b</sup></b>             | <b>23,754.1</b> | <b>9,347.2</b> | <b>20,039.3</b> | <b>19,065.5</b> | <b>17,702.0</b> | <b>20,753.8</b> | <b>20,520.7</b> | <b>23,045.0</b> | <b>23,060.8</b> | <b>19,426.7</b> |

<sup>a</sup>Less than 50,000 cartons.

<sup>b</sup>Columns may not add up to totals due to rounding.

Table 5. Total shipments of Florida fresh citrus, 1997-98 season.

| Variety                              | Period Number                |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              | Season<br>Total | % of<br>Total<br>Ship-<br>ments |
|--------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------|---------------------------------|
|                                      | 1                            | 2                            | 3                            | 4                            | 5                            | 6                            | 7                            | 8                            | 9                            | 10                           | 11                           | 12                           | 13                           |                 |                                 |
|                                      | Report Date                  |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                 |                                 |
|                                      | 08/01/97<br>thru<br>08/31/97 | 09/01/97<br>thru<br>09/28/97 | 09/29/97<br>thru<br>10/26/97 | 10/27/97<br>thru<br>11/23/97 | 11/24/97<br>thru<br>12/21/97 | 12/22/97<br>thru<br>01/18/98 | 01/19/98<br>thru<br>02/15/98 | 02/16/98<br>thru<br>03/15/98 | 03/16/98<br>thru<br>04/12/98 | 04/13/98<br>thru<br>05/10/98 | 05/11/98<br>thru<br>06/07/98 | 06/08/98<br>thru<br>07/05/98 | 07/06/98<br>thru<br>07/31/98 |                 |                                 |
| ----- 1,000 4/5-bushel cartons ----- |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                 |                                 |
| Grapefruit                           | 17                           | 1,096                        | 3,604                        | 4,149                        | 5,198                        | 4,401                        | 5,257                        | 6,053                        | 5,485                        | 3,536                        | 1,074                        | 41                           | 9                            | 39,922          | 61%                             |
| % of Total                           | 0%                           | 3%                           | 9%                           | 10%                          | 13%                          | 11%                          | 13%                          | 15%                          | 14%                          | 9%                           | 3%                           | 0%                           | 0%                           | 100%            |                                 |
| Cumulative %                         | 0%                           | 3%                           | 12%                          | 22%                          | 35%                          | 46%                          | 59%                          | 75%                          | 88%                          | 97%                          | 100%                         | 100%                         | 100%                         |                 |                                 |
| Oranges                              | 8                            | 698                          | 1,828                        | 2,242                        | 4,143                        | 1,401                        | 1,229                        | 1,252                        | 1,495                        | 1,520                        | 1,146                        | 377                          | 72                           | 17,411          | 26%                             |
| % of Total                           | 0%                           | 4%                           | 10%                          | 13%                          | 24%                          | 8%                           | 7%                           | 7%                           | 9%                           | 9%                           | 7%                           | 2%                           | 0%                           | 100%            |                                 |
| Cumulative %                         | 0%                           | 4%                           | 15%                          | 27%                          | 51%                          | 59%                          | 66%                          | 74%                          | 82%                          | 91%                          | 97%                          | 100%                         | 100%                         |                 |                                 |
| Temples                              | 0                            | 0                            | 0                            | 0                            | 7                            | 299                          | 336                          | 165                          | 40                           | 3                            | 0                            | 1                            | 0                            | 850             | 1%                              |
| % of Total                           | 0%                           | 0%                           | 0%                           | 0%                           | 1%                           | 35%                          | 39%                          | 19%                          | 5%                           | 0%                           | 0%                           | 0%                           | 0%                           | 100%            |                                 |
| Cumulative %                         | 0%                           | 0%                           | 0%                           | 0%                           | 1%                           | 36%                          | 75%                          | 95%                          | 99%                          | 100%                         | 100%                         | 100%                         | 100%                         |                 |                                 |
| Tangelos                             | 0                            | 0                            | 17                           | 252                          | 803                          | 202                          | 60                           | 1                            | 2                            | 2                            | 0                            | 0                            | 0                            | 1,339           | 2%                              |
| % of Total                           | 0%                           | 0%                           | 1%                           | 19%                          | 60%                          | 15%                          | 4%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 100%            |                                 |
| Cumulative %                         | 0%                           | 0%                           | 1%                           | 20%                          | 80%                          | 95%                          | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         |                 |                                 |
| Honey Tangerines                     | 0                            | 0                            | 0                            | 0                            | 1                            | 545                          | 540                          | 787                          | 580                          | 144                          | 14                           | 0                            | 0                            | 2,610           | 4%                              |
| % of Total                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 21%                          | 21%                          | 30%                          | 22%                          | 6%                           | 1%                           | 0%                           | 0%                           | 100%            |                                 |
| Cumulative %                         | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 21%                          | 42%                          | 72%                          | 94%                          | 99%                          | 100%                         | 100%                         | 100%                         |                 |                                 |
| Other Tangerines                     | 0                            | 333                          | 770                          | 1,324                        | 1,308                        | 93                           | 8                            | 1                            | 0                            | 0                            | 0                            | 0                            | 0                            | 3,836           | 6%                              |
| % of Total                           | 0%                           | 9%                           | 20%                          | 35%                          | 34%                          | 2%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 100%            |                                 |
| Cumulative %                         | 0%                           | 9%                           | 29%                          | 63%                          | 97%                          | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         |                 |                                 |
| Total All Citrus                     | 26                           | 2,127                        | 6,219                        | 7,967                        | 11,459                       | 6,941                        | 7,429                        | 8,259                        | 7,602                        | 5,206                        | 2,234                        | 419                          | 82                           | 65,968          | 100%                            |
| % of Total                           | 0%                           | 3%                           | 9%                           | 12%                          | 17%                          | 11%                          | 11%                          | 13%                          | 12%                          | 8%                           | 3%                           | 1%                           | 0%                           | 100%            |                                 |
| Cumulative %                         | 0%                           | 3%                           | 13%                          | 25%                          | 42%                          | 53%                          | 64%                          | 76%                          | 88%                          | 96%                          | 99%                          | 100%                         | 100%                         |                 |                                 |

NOTE: Numbers may not calculate due to rounding.

Table 6. Total domestic shipments of Florida fresh citrus, 1997-98 season.

| Variety                              | Period Number                |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              | Season<br>Total | %<br>of<br>Total<br>Ship-<br>ments |
|--------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------|------------------------------------|
|                                      | 1                            | 2                            | 3                            | 4                            | 5                            | 6                            | 7                            | 8                            | 9                            | 10                           | 11                           | 12                           | 13                           |                 |                                    |
|                                      | Report Date                  |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                 |                                    |
|                                      | 08/01/97<br>thru<br>08/31/97 | 09/01/97<br>thru<br>09/28/97 | 09/29/97<br>thru<br>10/26/97 | 10/27/97<br>thru<br>11/23/97 | 11/24/97<br>thru<br>12/21/97 | 12/22/97<br>thru<br>01/18/98 | 01/19/98<br>thru<br>02/15/98 | 02/16/98<br>thru<br>03/15/98 | 03/16/98<br>thru<br>04/12/98 | 04/13/98<br>thru<br>05/10/98 | 05/11/98<br>thru<br>06/07/98 | 06/08/98<br>thru<br>07/05/98 | 07/06/98<br>thru<br>07/31/98 |                 |                                    |
| ----- 1,000 4/5-bushel cartons ----- |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                 |                                    |
| Grapefruit                           | 17                           | 638                          | 2,011                        | 1,999                        | 3,038                        | 1,740                        | 1,848                        | 2,137                        | 2,023                        | 1,762                        | 806                          | 35                           | 7                            | 18,062          | 43%                                |
| % of Total                           | 0%                           | 4%                           | 11%                          | 11%                          | 17%                          | 10%                          | 10%                          | 12%                          | 11%                          | 10%                          | 4%                           | 0%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 4%                           | 15%                          | 26%                          | 43%                          | 52%                          | 63%                          | 74%                          | 86%                          | 95%                          | 100%                         | 100%                         | 100%                         |                 |                                    |
| Oranges                              | 8                            | 661                          | 1,709                        | 2,069                        | 3,918                        | 1,275                        | 1,131                        | 1,098                        | 1,199                        | 1,388                        | 1,077                        | 366                          | 71                           | 15,969          | 38%                                |
| % of Total                           | 0%                           | 4%                           | 11%                          | 13%                          | 25%                          | 8%                           | 7%                           | 7%                           | 8%                           | 9%                           | 7%                           | 2%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 4%                           | 15%                          | 28%                          | 52%                          | 60%                          | 67%                          | 74%                          | 82%                          | 91%                          | 97%                          | 100%                         | 100%                         |                 |                                    |
| Temples                              | 0                            | 0                            | 0                            | 0                            | 7                            | 286                          | 320                          | 155                          | 37                           | 3                            | 0                            | 1                            | 0                            | 809             | 2%                                 |
| % of Total                           | 0%                           | 0%                           | 0%                           | 0%                           | 1%                           | 35%                          | 40%                          | 19%                          | 5%                           | 0%                           | 0%                           | 0%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 0%                           | 0%                           | 0%                           | 1%                           | 36%                          | 76%                          | 95%                          | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         |                 |                                    |
| Tangelos                             | 0                            | 0                            | 17                           | 248                          | 793                          | 197                          | 56                           | 1                            | 2                            | 2                            | 0                            | 0                            | 0                            | 1,316           | 3%                                 |
| % of Total                           | 0%                           | 0%                           | 1%                           | 19%                          | 60%                          | 15%                          | 4%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 0%                           | 1%                           | 20%                          | 80%                          | 95%                          | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         |                 |                                    |
| Honey Tangerines                     | 0                            | 0                            | 0                            | 0                            | 1                            | 498                          | 503                          | 713                          | 527                          | 130                          | 13                           | 0                            | 0                            | 2,386           | 6%                                 |
| % of Total                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 21%                          | 21%                          | 30%                          | 22%                          | 5%                           | 1%                           | 0%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 21%                          | 42%                          | 72%                          | 94%                          | 99%                          | 100%                         | 100%                         | 100%                         |                 |                                    |
| Other Tangerines                     | 0                            | 324                          | 750                          | 1,237                        | 1,226                        | 87                           | 7                            | 1                            | 0                            | 0                            | 0                            | 0                            | 0                            | 3,632           | 9%                                 |
| % of Total                           | 0%                           | 9%                           | 21%                          | 34%                          | 34%                          | 2%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 9%                           | 30%                          | 64%                          | 97%                          | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         |                 |                                    |
| Total Domestic Citrus                | 26                           | 1,623                        | 4,486                        | 5,553                        | 8,982                        | 4,084                        | 3,864                        | 4,105                        | 3,788                        | 3,285                        | 1,897                        | 402                          | 77                           | 42,174          | 100%                               |
| % of Total                           | 0%                           | 4%                           | 11%                          | 13%                          | 21%                          | 10%                          | 9%                           | 10%                          | 9%                           | 8%                           | 4%                           | 1%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 4%                           | 15%                          | 28%                          | 49%                          | 59%                          | 68%                          | 78%                          | 87%                          | 94%                          | 99%                          | 100%                         | 100%                         |                 |                                    |

NOTE: Numbers may not calculate due to rounding.

Table 7. Total Canadian shipments of Florida fresh citrus, 1997-98 season.

| Variety                              | Period Number                |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              | Season<br>Total | %<br>of<br>Total<br>Ship-<br>ments |
|--------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------|------------------------------------|
|                                      | 1                            | 2                            | 3                            | 4                            | 5                            | 6                            | 7                            | 8                            | 9                            | 10                           | 11                           | 12                           | 13                           |                 |                                    |
|                                      | Report Date                  |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                 |                                    |
|                                      | 08/01/97<br>thru<br>08/31/97 | 09/01/97<br>thru<br>09/28/97 | 09/29/97<br>thru<br>10/26/97 | 10/27/97<br>thru<br>11/23/97 | 11/24/97<br>thru<br>12/21/97 | 12/22/97<br>thru<br>01/18/98 | 01/19/98<br>thru<br>02/15/98 | 02/16/98<br>thru<br>03/15/98 | 03/16/98<br>thru<br>04/12/98 | 04/13/98<br>thru<br>05/10/98 | 05/11/98<br>thru<br>06/07/98 | 06/08/98<br>thru<br>07/05/98 | 07/06/98<br>thru<br>07/31/98 |                 |                                    |
| ----- 1,000 4/5-bushel cartons ----- |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                 |                                    |
| Grapefruit                           | 0                            | 153                          | 306                          | 279                          | 370                          | 298                          | 332                          | 368                          | 342                          | 265                          | 116                          | 1                            | 2                            | 2,832           | 65%                                |
| % of Total                           | 0%                           | 5%                           | 11%                          | 10%                          | 13%                          | 11%                          | 12%                          | 13%                          | 12%                          | 9%                           | 4%                           | 0%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 5%                           | 16%                          | 26%                          | 39%                          | 50%                          | 61%                          | 74%                          | 86%                          | 96%                          | 100%                         | 100%                         | 100%                         |                 |                                    |
| Oranges                              | 0                            | 36                           | 116                          | 167                          | 221                          | 123                          | 93                           | 93                           | 91                           | 96                           | 60                           | 9                            | 2                            | 1,107           | 25%                                |
| % of Total                           | 0%                           | 3%                           | 10%                          | 15%                          | 20%                          | 11%                          | 8%                           | 8%                           | 8%                           | 9%                           | 5%                           | 1%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 3%                           | 14%                          | 29%                          | 49%                          | 60%                          | 68%                          | 77%                          | 85%                          | 94%                          | 99%                          | 100%                         | 100%                         |                 |                                    |
| Temples                              | 0                            | 0                            | 0                            | 0                            | 0                            | 12                           | 16                           | 9                            | 3                            | 1                            | 0                            | 0                            | 0                            | 42              | 1%                                 |
| % of Total                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 29%                          | 38%                          | 22%                          | 8%                           | 2%                           | 0%                           | 0%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 29%                          | 67%                          | 90%                          | 98%                          | 100%                         | 100%                         | 100%                         | 100%                         |                 |                                    |
| Tangelos                             | 0                            | 0                            | 0                            | 4                            | 10                           | 4                            | 4                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 23              | 1%                                 |
| % of Total                           | 0%                           | 0%                           | 0%                           | 16%                          | 46%                          | 20%                          | 19%                          | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 0%                           | 0%                           | 16%                          | 61%                          | 81%                          | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         |                 |                                    |
| Honey Tangerines                     | 0                            | 0                            | 0                            | 0                            | 0                            | 44                           | 33                           | 56                           | 40                           | 10                           | 0                            | 0                            | 0                            | 182             | 4%                                 |
| % of Total                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 24%                          | 18%                          | 31%                          | 22%                          | 5%                           | 0%                           | 0%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 24%                          | 42%                          | 73%                          | 94%                          | 100%                         | 100%                         | 100%                         | 100%                         |                 |                                    |
| Other Tangerines                     | 0                            | 7                            | 14                           | 80                           | 75                           | 5                            | 1                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 183             | 4%                                 |
| % of Total                           | 0%                           | 4%                           | 8%                           | 44%                          | 41%                          | 3%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 4%                           | 12%                          | 56%                          | 97%                          | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         |                 |                                    |
| Total Canadian Citrus                | 0                            | 196                          | 436                          | 530                          | 676                          | 487                          | 479                          | 525                          | 476                          | 372                          | 176                          | 10                           | 3                            | 4,368           | 100%                               |
| % of Total                           | 0%                           | 4%                           | 10%                          | 12%                          | 15%                          | 11%                          | 11%                          | 12%                          | 11%                          | 9%                           | 4%                           | 0%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 4%                           | 14%                          | 27%                          | 42%                          | 53%                          | 64%                          | 76%                          | 87%                          | 96%                          | 100%                         | 100%                         | 100%                         |                 |                                    |

NOTE: Numbers may not calculate due to rounding.

Table 8. Total offshore shipments of Florida fresh citrus, 1997-98 season.

| Variety                              | Period Number                |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              | Season<br>Total | %<br>of<br>Total<br>Ship-<br>ments |
|--------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------|------------------------------------|
|                                      | 1                            | 2                            | 3                            | 4                            | 5                            | 6                            | 7                            | 8                            | 9                            | 10                           | 11                           | 12                           | 13                           |                 |                                    |
|                                      | Report Date                  |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                 |                                    |
|                                      | 08/01/97<br>thru<br>08/31/97 | 09/01/97<br>thru<br>09/28/97 | 09/29/97<br>thru<br>10/26/97 | 10/27/97<br>thru<br>11/23/97 | 11/24/97<br>thru<br>12/21/97 | 12/22/97<br>thru<br>01/18/98 | 01/19/98<br>thru<br>02/15/98 | 02/16/98<br>thru<br>03/15/98 | 03/16/98<br>thru<br>04/12/98 | 04/13/98<br>thru<br>05/10/98 | 05/11/98<br>thru<br>06/07/98 | 06/08/98<br>thru<br>07/05/98 | 07/06/98<br>thru<br>07/31/98 |                 |                                    |
| ----- 1,000 4/5-bushel cartons ----- |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                              |                 |                                    |
| Grapefruit                           | 0                            | 305                          | 1,288                        | 1,871                        | 1,790                        | 2,363                        | 3,078                        | 3,549                        | 3,120                        | 1,509                        | 152                          | 4                            | 1                            | 19,028          | 98%                                |
| % of Total                           | 0%                           | 2%                           | 7%                           | 10%                          | 9%                           | 12%                          | 16%                          | 19%                          | 16%                          | 8%                           | 1%                           | 0%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 2%                           | 8%                           | 18%                          | 28%                          | 40%                          | 56%                          | 75%                          | 91%                          | 99%                          | 100%                         | 100%                         | 100%                         |                 |                                    |
| Oranges                              | 0                            | 1                            | 2                            | 6                            | 5                            | 3                            | 5                            | 61                           | 205                          | 36                           | 8                            | 2                            | 0                            | 335             | 2%                                 |
| % of Total                           | 0%                           | 0%                           | 1%                           | 2%                           | 1%                           | 1%                           | 1%                           | 18%                          | 61%                          | 11%                          | 3%                           | 1%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 0%                           | 1%                           | 3%                           | 4%                           | 5%                           | 7%                           | 25%                          | 86%                          | 97%                          | 99%                          | 100%                         | 100%                         |                 |                                    |
| Temples                              | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0               | 0%                                 |
| % of Total                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%              |                                    |
| Cumulative %                         | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           |                 |                                    |
| Tangelos                             | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0               | 0%                                 |
| % of Total                           | 0%                           | 0%                           | 0%                           | 100%                         | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 0%                           | 0%                           | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         |                 |                                    |
| Honey Tangerines                     | 0                            | 0                            | 0                            | 0                            | 0                            | 3                            | 4                            | 18                           | 13                           | 4                            | 0                            | 0                            | 0                            | 42              | 0%                                 |
| % of Total                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 7%                           | 10%                          | 43%                          | 31%                          | 9%                           | 0%                           | 0%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 7%                           | 17%                          | 61%                          | 91%                          | 100%                         | 100%                         | 100%                         | 100%                         |                 |                                    |
| Other Tangerines                     | 0                            | 1                            | 6                            | 7                            | 7                            | 1                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 0                            | 22              | 0%                                 |
| % of Total                           | 0%                           | 6%                           | 30%                          | 31%                          | 30%                          | 2%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 6%                           | 36%                          | 67%                          | 98%                          | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         | 100%                         |                 |                                    |
| Total Offshore Citrus                | 0                            | 308                          | 1,297                        | 1,884                        | 1,801                        | 2,369                        | 3,087                        | 3,628                        | 3,337                        | 1,549                        | 161                          | 6                            | 1                            | 19,427          | 100%                               |
| % of Total                           | 0%                           | 2%                           | 7%                           | 10%                          | 9%                           | 12%                          | 16%                          | 19%                          | 17%                          | 8%                           | 1%                           | 0%                           | 0%                           | 100%            |                                    |
| Cumulative %                         | 0%                           | 2%                           | 8%                           | 18%                          | 27%                          | 39%                          | 55%                          | 74%                          | 91%                          | 99%                          | 100%                         | 100%                         | 100%                         |                 |                                    |

NOTE: Numbers may not calculate due to rounding.

Table 9. Market ranking of fresh Florida grapefruit, top 35 domestic and Canadian market areas, 1997-98 season.

| Market Ranking                       | Market Area          | 1,000<br>4/5-Bushel<br>Cartons | % Total<br>Domestic &<br>Canadian<br>Shipments | Cumulative<br>Shipment<br>% | 1996-97<br>Ranking<br>by<br>Market Area |
|--------------------------------------|----------------------|--------------------------------|--|-----------------------------|---|
| 1                                    | New York City        | 2,407                          | 11.52  | 11.52                       | New York City                           |
| 2                                    | Ontario              | 1,376                          | 6.59   | 18.10                       | Ontario                                 |
| 3                                    | Boston               | 1,033                          | 4.95   | 23.05                       | Boston                                  |
| 4                                    | Chicago              | 1,010                          | 4.83   | 27.88                       | Quebec                                  |
| 5                                    | Quebec               | 980                            | 4.69   | 32.58                       | Chicago                                 |
| 6                                    | Philadelphia         | 819                            | 3.92   | 36.50                       | Philadelphia                            |
| 7                                    | West Palm Beach      | 655                            | 3.14   | 39.63                       | West Palm Beach                         |
| 8                                    | Atlanta              | 517                            | 2.47   | 42.11                       | Miami                                   |
| 9                                    | Miami                | 486                            | 2.33   | 44.43                       | Washington, DC                          |
| 10                                   | Tampa-St. Petersburg | 475                            | 2.28   | 46.71                       | Atlanta                                 |
| 11                                   | Washington, DC       | 470                            | 2.25   | 48.96                       | Minneapolis                             |
| 12                                   | Seattle-Tacoma       | 449                            | 2.15   | 51.10                       | Seattle-Tacoma                          |
| 13                                   | Detroit              | 434                            | 2.08   | 53.18                       | Baltimore                               |
| 14                                   | Cleveland            | 406                            | 1.94   | 55.12                       | Detroit                                 |
| 15                                   | St. Louis            | 404                            | 1.93   | 57.05                       | Tampa-St. Petersburg                    |
| 16                                   | Los Angeles          | 398                            | 1.91   | 58.96                       | Cleveland                               |
| 17                                   | Baltimore            | 396                            | 1.90   | 60.86                       | Springfield, MA                         |
| 18                                   | Minneapolis          | 376                            | 1.80   | 62.66                       | St. Louis                               |
| 19                                   | Springfield          | 349                            | 1.67   | 64.33                       | Los Angeles                             |
| 20                                   | Charlotte            | 326                            | 1.56   | 65.89                       | Milwaukee                               |
| 21                                   | Milwaukee            | 302                            | 1.44   | 67.33                       | Pittsburgh                              |
| 22                                   | Harrisburg-York      | 277                            | 1.33   | 68.66                       | Charlotte                               |
| 23                                   | Pittsburgh           | 251                            | 1.20   | 69.86                       | Indianapolis                            |
| 24                                   | Indianapolis         | 237                            | 1.13   | 70.99                       | Cincinnati                              |
| 25                                   | Jacksonville         | 205                            | .98  | 71.98                       | Spartanburg                             |
| 26                                   | Spartanburg          | 201                            | .96  | 72.94                       | Harrisburg-York                         |
| 27                                   | Scranton             | 200                            | .96  | 73.89                       | Scranton                                |
| 28                                   | Cincinnati           | 187                            | .90  | 74.79                       | Jacksonville                            |
| 29                                   | Birmingham           | 177                            | .85  | 75.64                       | Buffalo                                 |
| 30                                   | Lansing              | 176                            | .84  | 76.48                       | Birmingham                              |
| 31                                   | Orlando-Daytona      | 176                            | .84  | 77.32                       | Portland, OR                            |
| 32                                   | British Columbia     | 172                            | .82  | 78.14                       | Grand Rapids                            |
| 33                                   | Dayton               | 169                            | .81  | 78.95                       | British Columbia                        |
| 34                                   | Denver               | 159                            | .76  | 79.71                       | Denver                                  |
| 35                                   | Rochester            | 154                            | .74  | 80.45                       | Orlando-Daytona                         |
| <b>35-Market Total</b>               |                      | <b>16,809</b>                  | <b>80.45</b>                                   |                             |   |
| <b>Total Domestic &amp; Canadian</b> |                      | <b>20,894</b>                  | <b>100.00</b>                                  |                             |   |

NOTE: Numbers may not calculate due to rounding.

Table 10. Market ranking of fresh Florida oranges, top 35 domestic and Canadian market areas, 1997-98 season.

| Market Ranking                       | Market Area          | 1,000<br>4/5-Bushel<br>Cartons | % Total<br>Domestic &<br>Canadian<br>Shipments | Cumulative<br>Shipment<br>% | 1996-97<br>Ranking<br>by<br>Market Area |
|--------------------------------------|----------------------|--------------------------------|--|-----------------------------|---|
| 1                                    | New York City        | 2,960                          | 17.34  | 17.34                       | New York City                           |
| 2                                    | Atlanta              | 995                            | 5.83   | 23.16                       | Atlanta                                 |
| 3                                    | Miami                | 766                            | 4.48   | 27.65                       | Miami                                   |
| 4                                    | Chicago              | 618                            | 3.62   | 31.27                       | Ontario                                 |
| 5                                    | Philadelphia         | 614                            | 3.59   | 34.86                       | Philadelphia                            |
| 6                                    | Ontario              | 609                            | 3.56   | 38.42                       | West Palm Beach                         |
| 7                                    | Boston               | 559                            | 3.27   | 41.70                       | Chicago                                 |
| 8                                    | West Palm Beach      | 494                            | 2.89   | 44.59                       | Boston                                  |
| 9                                    | Tampa-St. Petersburg | 471                            | 2.76   | 47.35                       | Orlando-Daytona                         |
| 10                                   | Charlotte            | 456                            | 2.67   | 50.02                       | Charlotte                               |
| 11                                   | Washington, DC       | 404                            | 2.36   | 52.38                       | Baltimore                               |
| 12                                   | Quebec               | 371                            | 2.18   | 54.56                       | Washington, DC                          |
| 13                                   | Birmingham           | 364                            | 2.13   | 56.69                       | Tampa-St. Petersburg                    |
| 14                                   | Baltimore            | 359                            | 2.10   | 58.79                       | Birmingham                              |
| 15                                   | Orlando-Daytona      | 351                            | 2.05   | 60.85                       | Quebec                                  |
| 16                                   | Jacksonville         | 316                            | 1.85   | 62.69                       | Jacksonville                            |
| 17                                   | Spartanburg          | 287                            | 1.68   | 64.38                       | Spartanburg                             |
| 18                                   | Detroit              | 235                            | 1.38   | 65.76                       | New Orleans                             |
| 19                                   | Raleigh-Durham       | 222                            | 1.30   | 67.06                       | Detroit                                 |
| 20                                   | Columbia             | 189                            | 1.11   | 68.16                       | Raleigh-Durham                          |
| 21                                   | Nashville            | 187                            | 1.09   | 69.26                       | Nashville                               |
| 22                                   | New Orleans          | 186                            | 1.09   | 70.35                       | Richmond                                |
| 23                                   | Richmond             | 176                            | 1.03   | 71.38                       | Columbia, SC                            |
| 24                                   | Indianapolis         | 155                            | .91  | 72.28                       | Cleveland                               |
| 25                                   | Louisville           | 155                            | .91  | 73.19                       | Indianapolis                            |
| 26                                   | Memphis              | 154                            | .90  | 74.10                       | Los Angeles                             |
| 27                                   | Cleveland            | 152                            | .89  | 74.99                       | Memphis                                 |
| 28                                   | Montgomery           | 148                            | .87  | 75.85                       | Cincinnati                              |
| 29                                   | Cincinnati           | 142                            | .83  | 76.68                       | Louisville                              |
| 30                                   | Springfield          | 141                            | .83  | 77.51                       | Harrisburg-York                         |
| 31                                   | Oklahoma City        | 132                            | .77  | 78.28                       | Springfield, MA                         |
| 32                                   | Harrisburg-York      | 129                            | .76  | 79.04                       | Montgomery                              |
| 33                                   | Scranton             | 118                            | .69  | 79.73                       | Milwaukee                               |
| 34                                   | Ardmore-Ada          | 114                            | .67  | 80.40                       | Pittsburgh                              |
| 35                                   | Knoxville            | 111                            | .65  | 81.05                       | Scranton                                |
| <b>35-Market Total</b>               |                      | <b>13,840</b>                  | <b>81.05</b>                                   |                             |   |
| <b>Total Domestic &amp; Canadian</b> |                      | <b>17,076</b>                  | <b>100.00</b>                                  |                             |   |

NOTE: Numbers may not calculate due to rounding.

Table 11. Market ranking of fresh Florida Temples, top 35 domestic and Canadian market areas, 1997-98 season.

| Market Ranking                       | Market Area          | 1,000<br>4/5-Bushel<br>Cartons | % Total<br>Domestic &<br>Canadian<br>Shipments | Cumulative<br>Shipment<br>% | 1996-97<br>Ranking<br>by<br>Market Area |
|--------------------------------------|----------------------|--------------------------------|--|-----------------------------|---|
| 1                                    | New York City        | 122                            | 14.29  | 14.29                       | New York City                           |
| 2                                    | Atlanta              | 54                             | 6.32   | 20.61                       | Chicago                                 |
| 3                                    | Philadelphia         | 46                             | 5.38   | 25.99                       | Philadelphia                            |
| 4                                    | Baltimore            | 36                             | 4.24   | 30.23                       | Atlanta                                 |
| 5                                    | Boston               | 33                             | 3.88   | 34.11                       | Baltimore                               |
| 6                                    | Detroit              | 25                             | 2.99   | 37.10                       | Boston                                  |
| 7                                    | Washington, DC       | 24                             | 2.85   | 39.96                       | Washington, DC                          |
| 8                                    | Tampa-St. Petersburg | 23                             | 2.69   | 42.64                       | Detroit                                 |
| 9                                    | West Palm Beach      | 22                             | 2.63   | 45.27                       | Tampa-St. Petersburg                    |
| 10                                   | Chicago              | 22                             | 2.61   | 47.88                       | Springfield, MA                         |
| 11                                   | Miami                | 21                             | 2.41   | 50.29                       | West Palm Beach                         |
| 12                                   | Ontario              | 20                             | 2.34   | 52.63                       | Miami                                   |
| 13                                   | Charlotte            | 20                             | 2.30   | 54.93                       | Ontario                                 |
| 14                                   | Cleveland            | 18                             | 2.08   | 57.01                       | Cleveland                               |
| 15                                   | Springfield          | 17                             | 1.99   | 59.00                       | Charlotte                               |
| 16                                   | Richmond             | 15                             | 1.71   | 60.71                       | Jacksonville                            |
| 17                                   | Milwaukee            | 14                             | 1.70   | 62.41                       | Raleigh-Durham                          |
| 18                                   | Raleigh-Durham       | 14                             | 1.62   | 64.03                       | Spartanburg                             |
| 19                                   | Spartanburg          | 13                             | 1.49   | 65.52                       | Milwaukee                               |
| 20                                   | Harrisburg-York      | 12                             | 1.39   | 66.91                       | Pittsburgh                              |
| 21                                   | Memphis              | 12                             | 1.37   | 68.28                       | Harrisburg-York                         |
| 22                                   | Indianapolis         | 11                             | 1.28   | 69.56                       | Indianapolis                            |
| 23                                   | Pittsburgh           | 10                             | 1.21   | 70.76                       | Birmingham                              |
| 24                                   | Nashville            | 10                             | 1.19   | 71.95                       | Cincinnati                              |
| 25                                   | Birmingham           | 10                             | 1.15   | 73.10                       | Richmond                                |
| 26                                   | Montgomery           | 9                              | 1.01   | 74.11                       | Memphis                                 |
| 27                                   | Quebec               | 8                              | .94  | 75.05                       | Grand Rapids                            |
| 28                                   | Cincinnati           | 8                              | .94  | 75.99                       | Los Angeles                             |
| 29                                   | Scranton             | 8                              | .92  | 76.91                       | Quebec                                  |
| 30                                   | Jacksonville         | 8                              | .91  | 77.82                       | Columbus, OH                            |
| 31                                   | Dayton               | 7                              | .84  | 78.66                       | Montgomery                              |
| 32                                   | Louisville           | 6                              | .76  | 79.42                       | St. Louis                               |
| 33                                   | Rochester            | 6                              | .74  | 80.16                       | Rochester                               |
| 34                                   | Columbia             | 6                              | .74  | 80.90                       | Hartford-New Haven                      |
| 35                                   | Orlando-Daytona      | 6                              | .73  | 81.63                       | Syracuse                                |
| <b>35-Market Total</b>               |                      | <b>694</b>                     | <b>81.63</b>                                   |                             |   |
| <b>Total Domestic &amp; Canadian</b> |                      | <b>851</b>                     | <b>100.00</b>                                  |                             |   |

NOTE: Numbers may not calculate due to rounding.



Table 12. Market ranking of fresh Florida tangelos, top 35 domestic and Canadian market areas, 1997-98 season.

| Market Ranking                       | Market Area          | 1,000<br>4/5-Bushel<br>Cartons | % Total<br>Domestic &<br>Canadian<br>Shipments | Cumulative<br>Shipment<br>% | 1996-97<br>Ranking<br>by<br>Market Area |
|--------------------------------------|----------------------|--------------------------------|--|-----------------------------|---|
| 1                                    | West Palm Beach      | 137                            | 10.25  | 10.25                       | West Palm Beach                         |
| 2                                    | Atlanta              | 87                             | 6.51   | 16.76                       | Atlanta                                 |
| 3                                    | New York City        | 65                             | 4.83   | 21.59                       | New York City                           |
| 4                                    | Philadelphia         | 62                             | 4.60   | 26.19                       | Philadelphia                            |
| 5                                    | Charlotte            | 44                             | 3.30   | 29.48                       | Charlotte                               |
| 6                                    | Raleigh-Durham       | 41                             | 3.04   | 32.53                       | Maimi                                   |
| 7                                    | Birmingham           | 36                             | 2.72   | 35.25                       | Birmingham                              |
| 8                                    | Washington, DC       | 35                             | 2.64   | 37.89                       | Washington, DC                          |
| 9                                    | Columbia             | 33                             | 2.44   | 40.33                       | Tampa-St. Petersburg                    |
| 10                                   | Tampa-St. Petersburg | 31                             | 2.33   | 42.66                       | Raleigh-Durham                          |
| 11                                   | Richmond             | 30                             | 2.23   | 44.89                       | Nashville                               |
| 12                                   | Baltimore            | 29                             | 2.15   | 47.04                       | Chicago                                 |
| 13                                   | Indianapolis         | 29                             | 2.14   | 49.18                       | Detroit                                 |
| 14                                   | Miami                | 28                             | 2.07   | 51.25                       | Indianapolis                            |
| 15                                   | Nashville            | 27                             | 2.05   | 53.30                       | Spartanburg                             |
| 16                                   | Cleveland            | 25                             | 1.87   | 55.17                       | Columbia, SC                            |
| 17                                   | Cincinnati           | 24                             | 1.81   | 56.98                       | Boston                                  |
| 18                                   | Detroit              | 23                             | 1.74   | 58.71                       | Baltimore                               |
| 19                                   | Boston               | 22                             | 1.68   | 60.39                       | Cleveland                               |
| 20                                   | Spartanburg          | 22                             | 1.62   | 62.01                       | Jacksonville                            |
| 21                                   | Jacksonville         | 19                             | 1.42   | 63.43                       | Richmond                                |
| 22                                   | Knoxville            | 18                             | 1.32   | 64.75                       | Cincinnati                              |
| 23                                   | Louisville           | 17                             | 1.30   | 66.05                       | Louisville                              |
| 24                                   | Chicago              | 17                             | 1.27   | 67.31                       | Pittsburgh                              |
| 25                                   | Winston-Salem        | 16                             | 1.22   | 68.53                       | Winston-Salem                           |
| 26                                   | Roanoke-Lynchburg    | 16                             | 1.18   | 69.71                       | Ontario                                 |
| 27                                   | Dayton               | 16                             | 1.18   | 70.89                       | Knoxville                               |
| 28                                   | Pittsburgh           | 15                             | 1.11   | 72.00                       | Grand Rapids                            |
| 29                                   | Harrisburg-York      | 14                             | 1.03   | 73.04                       | Orlando-Daytona                         |
| 30                                   | Columbus             | 14                             | 1.02   | 74.06                       | Milwaukee                               |
| 31                                   | Milwaukee            | 13                             | 1.00   | 75.06                       | Charleston                              |
| 32                                   | Orlando-Daytona      | 13                             | .94  | 76.00                       | Dayton                                  |
| 33                                   | Grand Rapids         | 12                             | .86  | 76.86                       | Roanoke-Lynchburg                       |
| 34                                   | Memphis              | 11                             | .83  | 77.69                       | Harrisburg-York                         |
| 35                                   | Ontario              | 11                             | .80  | 78.49                       | Memphia                                 |
| <b>35-Market Total</b>               |                      | <b>1,051</b>                   | <b>78.49</b>                                   |                             |   |
| <b>Total Domestic &amp; Canadian</b> |                      | <b>1,339</b>                   | <b>100.00</b>                                  |                             |   |

NOTE: Numbers may not calculate due to rounding.

Table 13. Market ranking of fresh Florida other tangerines, top 35 domestic and Canadian market areas, 1997-98 season.

| Market Ranking                       | Market Area          | 1,000<br>4/5-Bushel<br>Cartons | % Total<br>Domestic &<br>Canadian<br>Shipments | Cumulative<br>Shipment<br>% | 1996-97<br>Ranking<br>by<br>Market Area |
|--------------------------------------|----------------------|--------------------------------|--|-----------------------------|---|
| 1                                    | New York City        | 478                            | 12.52  | 12.52                       | New York City                           |
| 2                                    | Chicago              | 166                            | 4.36   | 16.88                       | Atlanta                                 |
| 3                                    | Atlanta              | 159                            | 4.16   | 21.04                       | Chicago                                 |
| 4                                    | Boston               | 155                            | 4.07   | 25.11                       | Ontario                                 |
| 5                                    | Philadelphia         | 152                            | 4.00   | 29.11                       | Philadelphia                            |
| 6                                    | Los Angeles          | 152                            | 3.98   | 33.09                       | Boston                                  |
| 7                                    | Ontario              | 149                            | 3.90   | 36.99                       | Los Angeles                             |
| 8                                    | Baltimore            | 112                            | 2.94   | 39.94                       | Baltimore                               |
| 9                                    | Tampa-St. Petersburg | 108                            | 2.84   | 42.77                       | Detroit                                 |
| 10                                   | Detroit              | 98                             | 2.56   | 45.33                       | Tampa-St. Petersburg                    |
| 11                                   | Miami                | 83                             | 2.17   | 47.50                       | Charlotte                               |
| 12                                   | Washington, DC       | 82                             | 2.15   | 49.65                       | Washington, DC                          |
| 13                                   | Charlotte            | 77                             | 2.01   | 51.66                       | Spartanburg                             |
| 14                                   | Spartanburg          | 63                             | 1.64   | 53.30                       | Miami                                   |
| 15                                   | Jacksonville         | 59                             | 1.56   | 54.86                       | Indianapolis                            |
| 16                                   | Indianapolis         | 59                             | 1.55   | 56.41                       | Jacksonville                            |
| 17                                   | San Francisco        | 57                             | 1.50   | 57.90                       | Orlando-Daytona                         |
| 18                                   | Raleigh-Durham       | 56                             | 1.46   | 59.36                       | Ardmore-Ada                             |
| 19                                   | Cincinnati           | 56                             | 1.46   | 60.82                       | Cincinnati                              |
| 20                                   | Birmingham           | 55                             | 1.44   | 62.26                       | Springfield                             |
| 21                                   | Ardmore-Ada          | 51                             | 1.34   | 63.61                       | Cleveland                               |
| 22                                   | Cleveland            | 50                             | 1.31   | 64.92                       | Raleigh-Durham                          |
| 23                                   | Springfield          | 49                             | 1.29   | 66.20                       | San Francisco                           |
| 24                                   | Mobile-Pensacola     | 49                             | 1.28   | 67.49                       | Birmingham                              |
| 25                                   | Scranton             | 41                             | 1.07   | 68.56                       | Pittsburgh                              |
| 26                                   | Memphis              | 41                             | 1.06   | 69.62                       | Minneapolis                             |
| 27                                   | Milwaukee            | 40                             | 1.06   | 70.68                       | Richmond                                |
| 28                                   | Minneapolis          | 40                             | 1.05   | 71.74                       | New Orleans                             |
| 29                                   | Orlando-Daytona      | 39                             | 1.01   | 72.75                       | Nashville                               |
| 30                                   | Nashville            | 38                             | .98  | 73.73                       | Oklahoma City                           |
| 31                                   | Louisville           | 37                             | .96  | 74.69                       | St. Louis                               |
| 32                                   | Oklahoma City        | 37                             | .96  | 75.65                       | Memphis                                 |
| 33                                   | St. Louis            | 35                             | .92  | 76.58                       | Milwaukee                               |
| 34                                   | New Orleans          | 35                             | .91  | 77.48                       | Columbia, SC                            |
| 35                                   | Columbia             | 34                             | .88  | 78.37                       | Scranton                                |
| <b>35-Market Total</b>               |                      | <b>2,989</b>                   | <b>78.37</b>                                   |                             |   |
| <b>Total Domestic &amp; Canadian</b> |                      | <b>3,815</b>                   | <b>100.00</b>                                  |                             |   |

NOTE: Numbers may not calculate due to rounding.

Table 14. Market ranking of fresh Florida honey tangerines, top 35 domestic and Canadian market areas, 1997-98 season.

| Market Ranking                       | Market Area          | 1,000<br>4/5-Bushel<br>Cartons | % Total<br>Domestic &<br>Canadian<br>Shipments | Cumulative<br>Shipment<br>% | 1996-97<br>Ranking<br>by<br>Market Area |
|--------------------------------------|----------------------|--------------------------------|--|-----------------------------|---|
| 1                                    | New York City        | 417                            | 16.25  | 16.25                       | New York City                           |
| 2                                    | Los Angeles          | 368                            | 14.32  | 30.56                       | Los Angeles                             |
| 3                                    | San Francisco        | 149                            | 5.81   | 36.38                       | Orlando-Daytona                         |
| 4                                    | Orlando-Daytona      | 123                            | 4.79   | 41.17                       | San Francisco                           |
| 5                                    | Chicago              | 113                            | 4.40   | 45.56                       | Boston                                  |
| 6                                    | Ontario              | 108                            | 4.22   | 49.79                       | Chicago                                 |
| 7                                    | Miami                | 104                            | 4.05   | 53.84                       | Ontario                                 |
| 8                                    | Boston               | 94                             | 3.67   | 57.51                       | Atlanta                                 |
| 9                                    | Atlanta              | 76                             | 2.95   | 60.46                       | Miami                                   |
| 10                                   | Tampa-St. Petersburg | 66                             | 2.55   | 63.01                       | Philadelphia                            |
| 11                                   | Philadelphia         | 63                             | 2.47   | 65.47                       | Ardmore-Ada                             |
| 12                                   | Ardmore-Ada          | 55                             | 2.12   | 67.60                       | Tampa-St. Petersburg                    |
| 13                                   | Baltimore            | 45                             | 1.76   | 69.36                       | Baltimore                               |
| 14                                   | Seattle-Tacoma       | 43                             | 1.66   | 71.02                       | Seattle-Tacoma                          |
| 15                                   | Washington, DC       | 38                             | 1.48   | 72.50                       | Jacksonville                            |
| 16                                   | Jacksonville         | 37                             | 1.45   | 73.94                       | Washington, DC                          |
| 17                                   | New Orleans          | 33                             | 1.29   | 75.23                       | Scranton                                |
| 18                                   | Detroit              | 29                             | 1.14   | 76.37                       | New Orleans                             |
| 19                                   | British Columbia     | 29                             | 1.13   | 77.50                       | Quebec                                  |
| 20                                   | Charlotte            | 27                             | 1.06   | 78.56                       | Detroit                                 |
| 21                                   | Quebec               | 24                             | .93  | 79.49                       | Birmingham                              |
| 22                                   | San Antonio          | 22                             | .85  | 80.34                       | Springfield, MA                         |
| 23                                   | Raleigh-Durham       | 20                             | .79  | 81.13                       | Charlotte                               |
| 24                                   | Portland             | 18                             | .70  | 81.83                       | Denver                                  |
| 25                                   | Minneapolis          | 18                             | .70  | 82.53                       | San Antonio                             |
| 26                                   | Birmingham           | 16                             | .62  | 83.15                       | British Columbia                        |
| 27                                   | Denver               | 16                             | .62  | 83.78                       | Raleigh-Durham                          |
| 28                                   | West Palm Beach      | 16                             | .62  | 84.40                       | Minneapolis                             |
| 29                                   | Memphis              | 16                             | .62  | 85.01                       | Oklahoma City                           |
| 30                                   | Milwaukee            | 14                             | .55  | 85.57                       | Portland, OR                            |
| 31                                   | Cleveland            | 14                             | .54  | 86.10                       | Dallas-Fort Worth                       |
| 32                                   | Dallas-Fort Worth    | 13                             | .52  | 86.62                       | West Palm Beach                         |
| 33                                   | Columbia             | 13                             | .52  | 87.14                       | Milwaukee                               |
| 34                                   | Bangor               | 12                             | .46  | 87.61                       | Grand Rapids                            |
| 35                                   | Oklahoma City        | 12                             | .45  | 88.06                       | Spartanburg                             |
| <b>35-Market Total</b>               |                      | <b>2,261</b>                   | <b>88.06</b>                                   |                             |   |
| <b>Total Domestic &amp; Canadian</b> |                      | <b>2,568</b>                   | <b>100.00</b>                                  |                             |   |

NOTE: Numbers may not calculate due to rounding.

Table 15. Offshore shipments of Florida fresh grapefruit, 1988-89 through 1997-98 seasons.<sup>a</sup>

| Country                              | 1988-89       | 1989-90      | 1990-91       | 1991-92       | 1992-93       | 1993-94       | 1994-95       | 1995-96       | 1996-97       | 1997-98       |
|--------------------------------------|---------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| ----- 1,000 4/5-bushel cartons ----- |               |              |               |               |               |               |               |               |               |               |
| Belgium                              | 1,440         | 571          | 1,811         | 953           | 1,339         | 1,845         | 1,094         | 1,137         | 1,383         | 796           |
| England                              | 760           | 386          | 744           | 608           | 605           | 669           | 869           | 718           | 808           | 953           |
| France                               | 3,375         | 1,796        | 2,783         | 3,046         | 2,486         | 2,248         | 2,064         | 2,551         | 2,679         | 2,508         |
| Germany                              | 865           | 187          | 334           | 401           | 449           | 354           | 233           | 325           | 82            | 112           |
| Holland                              | 1,883         | 736          | 1,561         | 1,479         | 2,077         | 2,293         | 3,761         | 4,605         | 4,385         | 4,287         |
| Italy                                | 317           | 105          | 99            | 65            | 49            | 2             | 6             | 3             | 0             | 1             |
| Japan                                | 12,042        | 5,200        | 11,184        | 11,011        | 9,184         | 11,541        | 10,428        | 11,324        | 11,045        | 9,309         |
| Norway                               | 0             | <sup>b</sup> | 1             | 2             | 6             | 7             | 0             | 2             | 10            | 7             |
| Puerto Rico                          | 5             | 8            | 8             | 4             | 7             | 7             | 12            | 4             | 6             | 6             |
| Sweden                               | 98            | 34           | 60            | 57            | 63            | 48            | 47            | 80            | 86            | 68            |
| Switzerland                          | 93            | 78           | 14            | 3             | 0             | 1             | 0             | 1             | 0             | 0             |
| Denmark                              | <sup>b</sup>  | <sup>b</sup> | 1             | 10            | 7             | 16            | 23            | 38            | 45            | 42            |
| Taiwan                               | 2,012         | 123          | 488           | 661           | 872           | 849           | 619           | 1,120         | 1,482         | 752           |
| South Korea                          | 609           | 72           | 201           | 238           | 238           | 375           | 461           | 270           | 348           | 25            |
| Hong Kong                            | 48            | 22           | 41            | 40            | 42            | 35            | 30            | 59            | 42            | 35            |
| Singapore                            | 17            | 7            | 16            | 34            | 31            | 28            | 28            | 33            | 50            | 31            |
| Finland                              | 4             | 0            | 0             | 6             | 13            | 16            | 21            | 52            | 58            | 72            |
| Other                                | 1             | 2            | 9             | 26            | 19            | 30            | 15            | 24            | 39            | 24            |
| <b>TOTAL<sup>c</sup></b>             | <b>23,568</b> | <b>9,328</b> | <b>19,353</b> | <b>18,637</b> | <b>17,478</b> | <b>20,348</b> | <b>19,711</b> | <b>22,344</b> | <b>22,544</b> | <b>19,028</b> |

<sup>a</sup>August 1 through July 31.<sup>b</sup>Less than 500 cartons.<sup>c</sup>Columns may not add up to total due to rounding.

Table 16. Offshore shipments of Florida fresh oranges and Temples, 1988-89 through 1997-98 seasons.<sup>a</sup>

| Country                              | 1988-89    | 1989-90      | 1990-91    | 1991-92      | 1992-93      | 1993-94      | 1994-95      | 1995-96      | 1996-97      | 1997-98      |
|--------------------------------------|------------|--------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| ----- 1,000 4/5-bushel cartons ----- |            |              |            |              |              |              |              |              |              |              |
| Belgium                              | 0          | 2            | 1          | 4            | 8            | 2            | 2            | 1            | 6            | 5            |
| England                              | 2          | 0            | 10         | 16           | 9            | 6            | 6            | 1            | 11           | 8            |
| France                               | 0          | 2            | 0          | 5            | 0            | <sup>b</sup> | 2            | <sup>b</sup> | 0            | <sup>b</sup> |
| Germany                              | 0          | 0            | 0          | <sup>b</sup> | 1            | <sup>b</sup> | 0            | 0            | 0            | <sup>b</sup> |
| Holland                              | 43         | 1            | 50         | 23           | 22           | 3            | 113          | 93           | 39           | 14           |
| Italy                                | 0          | <sup>b</sup> | 0          | 0            | 0            | 1            | 0            | 0            | 1            | 0            |
| Japan                                | 60         | 4            | 328        | 37           | 11           | 55           | <sup>b</sup> | 27           | 22           | 22           |
| Norway                               | 0          | 0            | 0          | 0            | <sup>b</sup> | 0            | 0            | 0            | 0            | 0            |
| Puerto Rico                          | 15         | 4            | 18         | 9            | 12           | 2            | 9            | 2            | 8            | 9            |
| Sweden                               | 0          | 0            | 0          | 0            | 0            | 0            | 7            | 0            | 0            | 0            |
| Taiwan                               | 29         | 0            | 95         | 181          | 95           | 256          | 600          | 467          | 334          | 264          |
| South Korea                          | 0          | 0            | 12         | 9            | 0            | <sup>b</sup> | 0            | 0            | <sup>b</sup> | 0            |
| Hong Kong                            | 0          | 0            | 154        | 90           | 17           | 0            | 0            | 4            | <sup>b</sup> | 0            |
| Singapore                            | 3          | 0            | 4          | 4            | 1            | 1            | 2            | 8            | 11           | 7            |
| Finland                              | 0          | 0            | 0          | 1            | 0            | 0            | 0            | 5            | 0            | 0            |
| Other                                | 2          | 0            | 0          | 18           | 6            | 19           | 12           | 32           | 14           | 7            |
| <b>TOTAL<sup>c</sup></b>             | <b>154</b> | <b>13</b>    | <b>673</b> | <b>397</b>   | <b>184</b>   | <b>346</b>   | <b>754</b>   | <b>642</b>   | <b>447</b>   | <b>335</b>   |

<sup>a</sup>August 1 through July 31.

<sup>b</sup>Less than 500 cartons.

<sup>c</sup>Columns may not add up to total due to rounding.