

FLORIDA  
AGRICULTURE

**FLORIDA CITRUS PRICES:** Season average on-tree prices and equivalent returns per box received by growers, by varieties and utilization from crop years 1996-97, 1997-98, and 1998-99 <sup>1/</sup>

| Type-of fruit<br>by seasons        | Methods of sale |            |       | Type of fruit<br>by seasons | Methods of sale |            |       |
|------------------------------------|-----------------|------------|-------|-----------------------------|-----------------|------------|-------|
|                                    | Fresh           | Processing | All   |                             | Fresh           | Processing | All   |
| Dollars per box                    |                 |            |       | Dollars per box             |                 |            |       |
| ORANGES:                           |                 |            |       | GRAPEFRUIT:                 |                 |            |       |
| Navels                             |                 |            |       | Seedy                       |                 |            |       |
| 1996-97                            | 5.10            | 0.94       | 3.73  | 1996-97                     | <sup>2/</sup>   | 0.13       | 0.13  |
| 1997-98                            | 4.20            | 1.27       | 3.20  | 1997-98                     | <sup>2/</sup>   | 0.10       | 0.10  |
| 1998-99                            | 9.40            | 2.39       | 7.48  | 1998-99                     | <sup>2/</sup>   | 1.02       | 1.02  |
| Early-Midseason (excluding Navels) |                 |            |       | White Seedless              |                 |            |       |
| 1996-97                            | 3.60            | 3.14       | 3.15  | 1996-97                     | 5.23            | -0.18      | 1.12  |
| 1997-98                            | 3.10            | 2.78       | 2.79  | 1997-98                     | 5.38            | -0.65      | 0.93  |
| 1998-99                            | 6.60            | 4.57       | 4.62  | 1998-99                     | 6.80            | 0.36       | 2.01  |
| Early-Midseason-Navel              |                 |            |       | Colored Seedless            |                 |            |       |
| 1996-97                            | 4.50            | 3.11       | 3.18  | 1996-97                     | 3.26            | 0.20       | 1.91  |
| 1997-98                            | 3.70            | 2.76       | 2.81  | 1997-98                     | 2.85            | -0.05      | 1.50  |
| 1998-99                            | 8.30            | 4.55       | 4.76  | 1998-99                     | 4.52            | 0.02       | 2.43  |
| Valencias                          |                 |            |       | All Grapefruit              |                 |            |       |
| 1996-97                            | 4.70            | 4.04       | 4.07  | 1996-97                     | 3.74            | -0.01      | 1.55  |
| 1997-98                            | 4.20            | 4.90       | 4.88  | 1997-98                     | 3.42            | -0.33      | 1.27  |
| 1998-99                            | 9.40            | 5.46       | 5.71  | 1998-99                     | 5.04            | 0.21       | 2.26  |
| All Oranges                        |                 |            |       | TANGELOS                    |                 |            |       |
| 1996-97                            | 4.57            | 3.49       | 3.54  | 1996-97                     | 4.05            | 1.53       | 2.19  |
| 1997-98                            | 3.85            | 3.68       | 3.69  | 1997-98                     | 3.90            | 0.60       | 1.66  |
| 1998-99                            | 8.77            | 4.91       | 5.13  | 1998-99                     | 7.40            | 3.22       | 4.59  |
| TANGERINES:                        |                 |            |       | K-EARLY CITRUS FRUIT        |                 |            |       |
| Early <sup>3/</sup>                |                 |            |       | 1996-97                     | 3.85            | -0.10      | 1.40  |
| 1996-97                            | 9.85            | 0.86       | 6.28  | 1997-98                     | -1.90           | 0.40       | -1.33 |
| 1997-98                            | 10.40           | 0.07       | 6.72  | 1998-99                     | 4.10            | 1.30       | 2.14  |
| 1998-99                            | 13.05           | 3.08       | 10.18 | LEMONS                      |                 |            |       |
| Honey                              |                 |            |       | 1996-97                     | --              | --         | 10.30 |
| 1996-97                            | 20.15           | 1.18       | 12.18 | 1997-98                     | --              | --         | 7.00  |
| 1997-98                            | 15.70           | 1.90       | 11.34 | 1998-99                     | --              | --         | 7.25  |
| 1998-99                            | 19.65           | 4.65       | 15.69 | LIMES                       |                 |            |       |
| All Tangerines                     |                 |            |       | 1996-97                     | 9.50            | -3.19      | 6.93  |
| 1996-97                            | 12.75           | 0.96       | 7.99  | 1997-98                     | 10.00           | -2.41      | 6.90  |
| 1997-98                            | 12.50           | 0.72       | 8.49  | 1998-99                     | 14.60           | -3.00      | 11.43 |
| 1998-99                            | 15.65           | 3.65       | 12.30 | LIMES                       |                 |            |       |
| TEMPLES                            |                 |            |       | 1996-97                     | 5.94            | -1.99      | 4.33  |
| 1996-97                            | 7.00            | 2.08       | 3.22  | 1997-98                     | 6.25            | -1.51      | 4.31  |
| 1997-98                            | 4.60            | 2.55       | 3.07  | 1998-99                     | 9.13            | -1.88      | 7.14  |
| 1998-99                            | 9.30            | 3.17       | 5.21  |                             |                 |            |       |

<sup>1/</sup> 1996-97 and 1997-98 revised to reflect final payments in cooperative and participation plans and changes in pick, haul and packing charges. 1998-99 preliminary price based on cash sales only. <sup>2/</sup> Fresh sales negligible. <sup>3/</sup> Robinson, Fallglo, Sunburst, and Dancy varieties.

**BEARING TREES**

Tree numbers shown below are forecast trees of bearing age for the 1998-99 season. Total bearing trees increased from the previous season for the orange varieties but decreased for the white and colored seedless grapefruit. With trees maturing, a population shift occurred with the increase of bearing trees in

Age 3 (9-13 years) and corresponding decreases in younger trees for each of the fruit types listed. Unidentified trees of bearing age are prorated to identified types by year in which set. Most of these are first year bearing trees which will be identified in the field during the next tree census.

**FLORIDA ORANGES AND GRAPEFRUIT:** Estimated trees of bearing age by age group, year set, and type, for the 1998-99 season

| Fruit type                          | Age 1<br>1993-95 | Age 2<br>1990-92 | Age 3<br>1985-89 | Age 4<br>1975-84 | Age 5<br>1974<br>and earlier | Total<br>bearing<br>trees |
|-------------------------------------|------------------|------------------|------------------|------------------|------------------------------|---------------------------|
| --- 1,000 trees ---                 |                  |                  |                  |                  |                              |                           |
| Early-Mid Oranges (Includes Navels) | 3,895            | 10,140           | 12,930           | 6,407            | 6,752                        | 40,124                    |
| Valencia Oranges                    | 4,671            | 11,794           | 12,392           | 4,465            | 6,162                        | 39,484                    |
| White Seedless Grapefruit           | 475              | 1,018            | 675              | 290              | 1,939                        | 4,397                     |
| Colored Seedless Grapefruit         | 806              | 2,275            | 1,904            | 1,521            | 1,297                        | 7,803                     |



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## CITRUS 1998-99 SUMMARY

### PRODUCTION, PRICE, AND VALUE

#### PRODUCTION BY COUNTIES AND PER TREE

September 23, 1999

**FLORIDA CITRUS:** Production, utilization, season average on-tree price and value for the 1997-98 and 1998-99 seasons

| Fruit type                     | Crop year | Production           | Crop utilization |            | On-tree       |                     |
|--------------------------------|-----------|----------------------|------------------|------------|---------------|---------------------|
|                                |           |                      | Fresh use        | Processing | Price per box | Value of production |
|                                |           | 1,000                | 1-3/5 bushel     | boxes      | Dollars       | 1,000 dol.          |
| Early-Midseason-Navel Oranges  | 1997-98   | 140,000              | 7,635            | 132,365    | 2.81          | 393,577             |
|                                | 1998-99   | 112,000              | 6,164            | 105,836    | 4.76          | 532,715             |
| Valencia Oranges               | 1997-98   | 104,000              | 3,375            | 100,625    | 4.88          | 507,238             |
|                                | 1998-99   | 73,700               | 4,653            | 69,047     | 5.71          | 420,735             |
| All Oranges                    | 1997-98   | 244,000              | 11,010           | 232,990    | 3.69          | 900,815             |
|                                | 1998-99   | 185,700              | 10,817           | 174,883    | 5.13          | 953,450             |
| Seedy Grapefruit               | 1997-98   | 650                  | --               | 650        | 0.10          | 65                  |
|                                | 1998-99   | 550                  | --               | 550        | 1.02          | 561                 |
| White Seedless Grapefruit      | 1997-98   | 18,300 <sup>1/</sup> | 4,791            | 13,509     | 0.93          | 16,995              |
|                                | 1998-99   | 17,800               | 4,550            | 13,250     | 2.01          | 35,710              |
| Colored Seedless Grapefruit    | 1997-98   | 30,600 <sup>2/</sup> | 16,369           | 14,231     | 1.50          | 45,940              |
|                                | 1998-99   | 28,700               | 15,396           | 13,304     | 2.43          | 69,856              |
| All Grapefruit                 | 1997-98   | 49,550               | 21,160           | 28,390     | 1.27          | 63,000              |
|                                | 1998-99   | 47,050               | 19,946           | 27,104     | 2.26          | 106,127             |
| Temples                        | 1997-98   | 2,250                | 566              | 1,684      | 3.07          | 6,898               |
|                                | 1998-99   | 1,800                | 598              | 1,202      | 5.21          | 9,371               |
| Tangelos                       | 1997-98   | 2,850                | 913              | 1,937      | 1.66          | 4,723               |
|                                | 1998-99   | 2,550                | 838              | 1,712      | 4.59          | 11,714              |
| K-Early Citrus                 | 1997-98   | 40                   | 30               | 10         | -1.33         | -53                 |
|                                | 1998-99   | 80                   | 24               | 56         | 2.14          | 171                 |
| Early Tangerines <sup>3/</sup> | 1997-98   | 3,200                | 2,060            | 1,140      | 6.72          | 21,504              |
|                                | 1998-99   | 3,050                | 2,172            | 878        | 10.18         | 31,049              |
| Honey Tangerines               | 1997-98   | 2,000                | 1,368            | 632        | 11.34         | 22,679              |
|                                | 1998-99   | 1,900                | 1,398            | 502        | 15.69         | 29,805              |
| All Tangerines                 | 1997-98   | 5,200                | 3,428            | 1,772      | 8.49          | 44,126              |
|                                | 1998-99   | 4,950                | 3,570            | 1,380      | 12.30         | 60,908              |
| Limes                          | 1997-98   | 440                  | 330              | 110        | 6.90          | 3,035               |
|                                | 1998-99   | 500                  | 410              | 90         | 11.43         | 5,716               |
| Lemons                         | 1997-98   | 120                  | --               | --         | 7.00          | 839                 |
|                                | 1998-99   | 235                  | --               | --         | 7.25          | 1,709               |
| All Citrus                     | 1997-98   | 304,450              | --               | --         | --            | 1,023,383           |
|                                | 1998-99   | 242,865              | --               | --         | --            | 1,149,166           |

<sup>1/</sup> Excludes 5.0 million boxes of economic abandonment. <sup>2/</sup> Excludes 1.0 million boxes of economic abandonment. <sup>3/</sup> Robinson, Fallglo, Sunburst, and Dancy varieties.

#### PRODUCTION AND VALUE

The preliminary on-tree value of the 1998-99 crop surpassed \$1.1 billion and is higher than the revised values for the previous six seasons. It is 12.3 percent greater than the revised value of \$1.0 billion for 1997-98, which reflects a five percent increase over the preliminary value. Price per box and value of production was higher for every fruit type. Total production at 243 million boxes was down 20 percent from the record 1997-98 season.

Orange production fell 24 percent below the record crop of 1997-98. Higher values for early-midseason-Navel fruit and all oranges reflect the much improved prices. The Valencia price per box was 17 percent higher and the price of Navels more than doubled. Of the early-midseason-Navel fruit utilized fresh, 59 percent were Navels.

Grapefruit production decreased this season with the smallest recorded seedy grapefruit crop and white seedless the smallest since 1969-70. Although colored seedless grapefruit was below the level of the two previous seasons, the highest on record, it matched or exceeded all other prior seasons.

Utilization increased for acid fruit and K-Early Citrus. Production of K-Earlys doubled, lemons were up 96 percent, and limes increased for the fifth consecutive season. Decreases were recorded for the other specialty fruit. Temples are at the lowest level for any non-freeze season in the 45 year series. During the 44 year series, tangelo production peaked at 6.4 million boxes in 1979-80, and this season's production was the second smallest in 30 years. Although production of tangerines was down in each of the categories, it was above the recent five year average for honey and all tangerines. In the early category, the new varieties, Sunburst and Fallglo, now account for 90 percent of production.

Prices for the 1998-99 season are preliminary and will be revised next September when the results of all participation plans and pools become final. Revised prices are shown for 1997-98.

The table on page 8 shows a breakdown of citrus prices for all fruit types by fresh and processed usage for 1998-99 and the two previous seasons.

Florida Citrus: Production by counties, areas, and types, 1998-1999

| County<br>and area  | All<br>Citrus <sup>1/</sup> | Round Oranges          |                    |         | Grapefruit        |                     |       |        |
|---------------------|-----------------------------|------------------------|--------------------|---------|-------------------|---------------------|-------|--------|
|                     |                             | Early and<br>midseason | Late<br>(Valencia) | All     | White<br>Seedless | Colored<br>Seedless | Seedy | All    |
| 1,000 boxes         |                             |                        |                    |         |                   |                     |       |        |
| Brevard             | 2,062                       | 971                    | 447                | 1,418   | 169               | 371                 | 12    | 552    |
| Charlotte           | 5,446                       | 1,906                  | 2,176              | 4,082   | 63                | 1,130               | -     | 1,193  |
| Collier             | 10,218                      | 4,868                  | 3,800              | 8,668   | 242               | 1,098               | -     | 1,340  |
| DeSoto              | 22,736                      | 12,125                 | 9,768              | 21,893  | 191               | 299                 | 36    | 526    |
| Glades              | 2,818                       | 1,711                  | 837                | 2,548   | 6                 | 204                 | -     | 210    |
| Hardee              | 17,772                      | 13,378                 | 3,744              | 17,122  | 94                | 240                 | 12    | 346    |
| Hendry              | 28,209                      | 12,728                 | 11,222             | 23,950  | 962               | 2,586               | 15    | 3,563  |
| Hernando            | 263                         | 241                    | 3                  | 244     | -                 | 4                   | -     | 4      |
| Highlands           | 23,625                      | 9,585                  | 11,566             | 21,151  | 590               | 462                 | 129   | 1,181  |
| Hillsborough        | 8,761                       | 6,715                  | 1,527              | 8,242   | 71                | 199                 | 17    | 287    |
| Indian River        | 17,870                      | 3,196                  | 2,059              | 5,255   | 5,592             | 6,577               | 19    | 12,188 |
| Lake                | 4,866                       | 3,213                  | 469                | 3,682   | 1                 | 344                 | 10    | 355    |
| Lee                 | 3,253                       | 1,425                  | 1,340              | 2,765   | 96                | 328                 | 5     | 429    |
| Manatee             | 7,838                       | 4,897                  | 2,322              | 7,219   | 188               | 203                 | 41    | 432    |
| Marion              | 232                         | 181                    | 11                 | 192     | -                 | 9                   | -     | 9      |
| Martin              | 11,656                      | 4,531                  | 5,342              | 9,873   | 1,094             | 460                 | -     | 1,554  |
| Okeechobee          | 3,096                       | 1,774                  | 789                | 2,563   | 206               | 263                 | -     | 469    |
| Orange              | 2,067                       | 1,324                  | 406                | 1,730   | -                 | 62                  | 5     | 67     |
| Osceola             | 4,971                       | 2,910                  | 1,104              | 4,014   | 353               | 344                 | 5     | 702    |
| Palm Beach          | 3,108                       | 1,273                  | 579                | 1,852   | 352               | 549                 | -     | 901    |
| Pasco               | 2,946                       | 2,422                  | 376                | 2,798   | 1                 | 46                  | 1     | 48     |
| Polk                | 29,649                      | 15,122                 | 9,472              | 24,594  | 1,288             | 1,432               | 223   | 2,943  |
| St. Lucie           | 27,226                      | 4,797                  | 4,025              | 8,822   | 6,161             | 11,262              | 18    | 17,441 |
| Sarasota            | 733                         | 269                    | 227                | 496     | 55                | 159                 | 1     | 215    |
| Seminole            | 279                         | 185                    | 34                 | 219     | -                 | 11                  | -     | 11     |
| Volusia             | 288                         | 180                    | 29                 | 209     | 24                | 43                  | 1     | 68     |
| Other <sup>3/</sup> | 142                         | 73                     | 26                 | 99      | 1                 | 15                  | -     | 16     |
| Total               | 242,130                     | 112,000                | 73,700             | 185,700 | 17,800            | 28,700              | 550   | 47,050 |
| Indian River        | 50,209                      | 9,500                  | 7,600              | 17,100  | 12,700            | 18,800              | 50    | 31,550 |
| Northern            | 10,872                      | 7,734                  | 1,307              | 9,041   | 2                 | 492                 | 16    | 510    |
| Central             | 57,758                      | 27,266                 | 22,093             | 49,359  | 2,198             | 2,208               | 357   | 4,763  |
| Western             | 57,875                      | 37,400                 | 17,600             | 55,000  | 600               | 1,100               | 107   | 1,807  |
| Southern            | 65,416                      | 30,100                 | 25,100             | 55,200  | 2,300             | 6,100               | 20    | 8,420  |
| Total               | 242,130                     | 112,000                | 73,700             | 185,700 | 17,800            | 28,700              | 550   | 47,050 |

<sup>1/</sup> Excludes limes and lemons. <sup>2/</sup> Fallglo, Sunburst, Robinson, and Dancy varieties. <sup>3/</sup> Broward, Citrus, Flagler, Pinellas, Putnam, and Sumter.

FLORIDA CITRUS: Estimated boxes of fruit per tree by age groups and production areas, 1994-95 through 1998-99

| Fruit type<br>and<br>season | Area | Age of trees   |                |                 |                  |                       | Average,<br>weighted by<br>bearing<br>trees |
|-----------------------------|------|----------------|----------------|-----------------|------------------|-----------------------|---|
|                             |      | 3 - 5<br>years | 6 - 8<br>years | 9 - 13<br>years | 14 - 23<br>years | 24 years<br>and older |   |

--- Boxes per tree ---

**COLORED SEEDLESS GRAPEFRUIT:**

|                       |                    |             |             |             |             |             |             |
|-----------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1994-95               | <b>State</b>       | <b>2.0</b>  | <b>3.5</b>  | <b>4.9</b>  | <b>5.3</b>  | <b>5.1</b>  | <b>3.81</b> |
|                       | Indian River       | 2.3         | 3.4         | 5.0         | 5.1         | 4.9         | 4.05        |
|                       | Northern & Central | 2.4         | 3.4         | 7.3         | 11.2        | 8.9         | 4.68        |
|                       | Western            | 2.3         | 3.7         | 4.7         | 5.5         | 8.3         | 4.25        |
|                       | Southern           | 1.4         | 3.9         | 3.3         | 5.3         | 3.1         | 2.68        |
| 1995-96 <sup>1/</sup> | <b>State</b>       | <b>2.4</b>  | <b>3.2</b>  | <b>4.6</b>  | <b>3.6</b>  | <b>4.9</b>  | <b>3.42</b> |
|                       | Indian River       | 2.9         | 3.0         | 4.2         | 3.5         | 4.5         | 3.51        |
|                       | Northern & Central | 1.0         | 2.6         | 6.7         | 3.9         | 7.7         | 2.90        |
|                       | Western            | 1.7         | 4.0         | 3.1         | 3.0         | 10.6        | 3.93        |
|                       | Southern           | 2.1         | 4.0         | 6.2         | 4.6         | 4.7         | 3.26        |
| 1996-97 <sup>1/</sup> | <b>State</b>       | <b>1.5</b>  | <b>3.5</b>  | <b>4.4</b>  | <b>5.2</b>  | <b>5.1</b>  | <b>3.63</b> |
|                       | Indian River       | 1.6         | 3.5         | 4.4         | 5.3         | 4.8         | 3.95        |
|                       | Northern & Central | 0.4         | 4.5         | 8.0         | 8.0         | 9.8         | 4.05        |
|                       | Western            | 1.6         | 5.1         | 4.4         | 3.4         | 4.7         | 3.79        |
|                       | Southern           | 1.6         | 2.4         | 3.4         | 3.9         | 5.0         | 2.52        |
| 1997-98 <sup>2/</sup> | <b>State</b>       | <b>2.2</b>  | <b>2.7</b>  | <b>4.1</b>  | <b>5.2</b>  | <b>5.0</b>  | <b>3.69</b> |
|                       | Indian River       | 2.0         | 3.0         | 3.8         | 4.8         | 5.1         | 3.81        |
|                       | Northern & Central | 0.8         | 3.0         | 5.2         | 8.6         | 7.9         | 3.86        |
|                       | Western            | 1.2         | 4.6         | 5.9         | 1.2         | 6.9         | 4.18        |
|                       | Southern           | 3.4         | 1.9         | 4.0         | 8.3         | 2.6         | 3.22        |
| 1998-99               | <b>State</b>       | <b>1.7</b>  | <b>3.2</b>  | <b>3.5</b>  | <b>4.7</b>  | <b>4.8</b>  | <b>3.68</b> |
|                       | Indian River       | 0.9         | 3.2         | 3.3         | 4.6         | 4.6         | 3.60        |
|                       | Northern & Central | 1.6         | 3.7         | 4.2         | 5.6         | 7.0         | 4.07        |
|                       | Western            | 2.0         | 2.3         | 6.8         | 1.4         | 5.3         | 4.31        |
|                       | Southern           | 4.7         | 3.0         | 3.2         | 6.5         | 5.4         | 3.67        |
| Average               | <b>State</b>       | <b>1.96</b> | <b>3.19</b> | <b>4.20</b> | <b>4.82</b> | <b>4.99</b> | <b>3.64</b> |
|                       | Indian River       | 2.08        | 3.22        | 4.06        | 4.67        | 4.79        | 3.78        |
|                       | Northern & Central | 1.15        | 3.43        | 5.55        | 7.37        | 8.29        | 3.87        |
|                       | Western            | 1.77        | 3.99        | 5.51        | 3.00        | 7.25        | 4.08        |
|                       | Southern           | 2.08        | 2.91        | 3.78        | 5.55        | 4.15        | 3.06        |

<sup>1/</sup> Excludes 3.0 million boxes of economic abandonment. <sup>2/</sup> Excludes 1.0 million boxes of economic abandonment.

FLORIDA CITRUS: Estimated boxes of fruit per tree by age groups and production areas, 1994-95 through 1998-99

| Fruit type and season      | Area               | Age of trees |             |              |               |                    | Average, weighted by bearing trees |
|----------------------------|--------------------|--------------|-------------|--------------|---------------|--------------------|------------------------------------|
|                            |                    | 3 - 5 years  | 6 - 8 years | 9 - 13 years | 14 - 23 years | 24 years and older |                                    |
| - - - Boxes per tree - - - |                    |              |             |              |               |                    |                                    |
| WHITE SEEDLESS GRAPEFRUIT: |                    |              |             |              |               |                    |                                    |
| 1994-95                    | State              | 3.2          | 2.5         | 5.2          | 7.1           | 6.4                | 5.32                               |
|                            | Indian River       | 3.0          | 2.1         | 5.0          | 7.3           | 6.1                | 5.20                               |
|                            | Northern & Central | 2.6          | 2.2         | 8.0          | 8.1           | 10.2               | 6.17                               |
|                            | Western            | 8.9          | 9.3         | 12.0         | 4.0           | 10.9               | 8.96                               |
|                            | Southern           | 4.1          | 1.6         | 3.6          | 6.4           | 4.8                | 4.68                               |
| 1995-96                    | State              | 2.0          | 4.3         | 3.5          | 6.3           | 5.7                | 4.60                               |
|                            | Indian River       | 2.1          | 4.5         | 3.7          | 4.6           | 4.8                | 4.08                               |
|                            | Northern & Central | 1.2          | 4.4         | 3.8          | 13.1          | 13.8               | 7.20                               |
|                            | Western            | 6.1          | 4.7         | 2.7          | 8.3           | 6.6                | 6.38                               |
|                            | Southern           | 1.9          | 3.5         | 3.0          | 7.3           | 6.0                | 4.61                               |
| 1996-97 <sup>1/</sup>      | State              | 2.0          | 4.3         | 2.9          | 5.9           | 5.6                | 4.55                               |
|                            | Indian River       | 1.1          | 4.3         | 2.8          | 4.7           | 5.4                | 4.32                               |
|                            | Northern & Central | 2.3          | 5.4         | 4.1          | 10.3          | 9.4                | 6.06                               |
|                            | Western            | 6.0          | 3.1         | 1.6          | 9.3           | 7.1                | 6.16                               |
|                            | Southern           | 3.3          | 3.7         | 1.9          | 6.9           | 4.5                | 4.19                               |
| 1997-98 <sup>2/</sup>      | State              | 1.3          | 3.3         | 4.1          | 6.3           | 4.2                | 3.74                               |
|                            | Indian River       | 0.8          | 3.2         | 4.1          | 6.1           | 3.9                | 3.53                               |
|                            | Northern & Central | 0.9          | 3.4         | 4.7          | 10.0          | 9.2                | 5.59                               |
|                            | Western            | 6.8          | 6.8         | 6.8          | 8.2           | 6.1                | 6.61                               |
|                            | Southern           | 2.3          | 3.6         | 1.8          | 2.0           | 3.3                | 3.04                               |
| 1998-99                    | State              | 1.5          | 3.1         | 4.2          | 4.8           | 5.0                | 4.05                               |
|                            | Indian River       | 1.3          | 3.3         | 4.2          | 4.1           | 4.9                | 4.01                               |
|                            | Northern & Central | 3.1          | 2.2         | 4.8          | 9.5           | 8.1                | 5.23                               |
|                            | Western            | 1.6          | 7.1         | 4.7          | 1.6           | 5.5                | 4.41                               |
|                            | Southern           | 1.6          | 2.4         | 3.7          | 4.8           | 4.2                | 3.40                               |
| Average                    | State              | 2.17         | 3.63        | 4.05         | 6.24          | 5.39               | 4.46                               |
|                            | Indian River       | 1.90         | 3.68        | 4.06         | 5.51          | 5.02               | 4.22                               |
|                            | Northern & Central | 1.88         | 3.56        | 4.80         | 10.18         | 10.30              | 6.10                               |
|                            | Western            | 5.15         | 6.35        | 4.52         | 6.71          | 7.30               | 6.49                               |
|                            | Southern           | 2.84         | 3.20        | 2.98         | 6.27          | 4.61               | 4.04                               |

<sup>1/</sup> Excludes 3.0 million boxes of economic abandonment. <sup>2/</sup> Excludes 5.0 million boxes of economic abandonment.

PRODUCTION BY COUNTIES

| Tangerines          |       |       | Temples | Tangelos | K-Early Citrus |
|---------------------|-------|-------|---------|----------|----------------|
| Early <sup>2/</sup> | Honey | All   |         |          |                |
| 38                  | 3     | 41    | 16      | 33       | 2              |
| 100                 | 26    | 126   | 19      | 26       | -              |
| 55                  | 90    | 145   | 39      | 26       | -              |
| 109                 | 74    | 183   | 31      | 98       | 5              |
| 19                  | 37    | 56    | -       | 4        | -              |
| 138                 | 54    | 192   | 34      | 78       | -              |
| 156                 | 322   | 478   | 130     | 88       | -              |
| 8                   | 2     | 10    | -       | 4        | 1              |
| 273                 | 243   | 516   | 522     | 255      | -              |
| 71                  | 52    | 123   | 39      | 66       | 4              |
| 140                 | 68    | 208   | 66      | 153      | -              |
| 462                 | 43    | 505   | 13      | 267      | 44             |
| 24                  | 22    | 46    | 3       | 10       | -              |
| 22                  | 22    | 44    | 52      | 91       | -              |
| 26                  | -     | 26    | -       | 3        | 2              |
| 27                  | 28    | 55    | 100     | 74       | -              |
| 17                  | 21    | 38    | 13      | 13       | -              |
| 144                 | 23    | 167   | 15      | 88       | -              |
| 61                  | 27    | 88    | 90      | 71       | 6              |
| 32                  | 150   | 182   | 128     | 45       | -              |
| 48                  | 26    | 74    | 8       | 18       | -              |
| 805                 | 397   | 1,202 | 228     | 667      | 15             |
| 234                 | 165   | 399   | 242     | 322      | -              |
| 4                   | 3     | 7     | 9       | 6        | -              |
| 14                  | 1     | 15    | -       | 33       | 1              |
| 4                   | -     | 4     | -       | 7        | -              |
| 19                  | 1     | 20    | 3       | 4        | -              |
| 3,050               | 1,900 | 4,950 | 1,800   | 2,550    | 80             |
| 415                 | 234   | 649   | 361     | 547      | 2              |
| 725                 | 96    | 821   | 36      | 416      | 48             |
| 1,134               | 656   | 1,790 | 838     | 987      | 21             |
| 344                 | 205   | 549   | 168     | 342      | 9              |
| 432                 | 709   | 1,141 | 397     | 258      | -              |
| 3,050               | 1,900 | 4,950 | 1,800   | 2,550    | 80             |

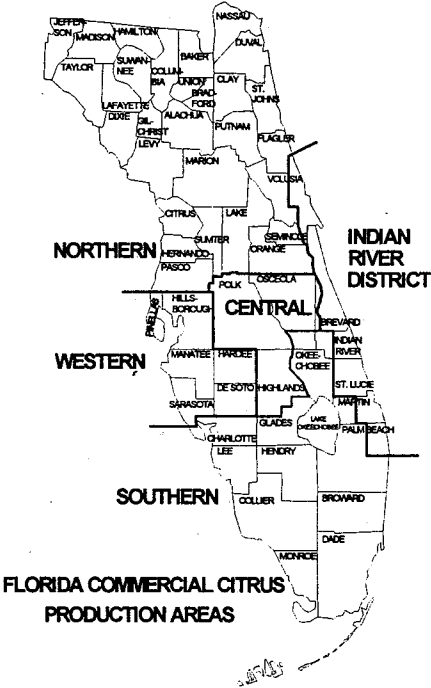
Production decreased in each county with total citrus production (excluding limes and lemons) down 20.3 percent. Area decreases ranged from 14 percent for Indian River to 36 percent in the Northern area. Although production in the "Gulf Citrus" area counties of Charlotte, Collier, Glades, Hendry, and Lee declined 10 percent to 49.9 million boxes, it supplied one of every five boxes produced. Polk County was the leading producer with 29.6 million boxes followed by Hendry with 28.2 and St. Lucie with 27.2 million boxes. Highlands with 23.6 million boxes and DeSoto with 22.7 rounded out the top five which produced over 54 percent of the state's total crop.

Polk Co. led in orange production with 24.6 million boxes closely followed by Hendry with 24.0 million boxes. DeSoto and Highlands each contributed over 21 million boxes and Hardee came in fifth with 17.1 million boxes. Early and midseason fruit comprised nearly 58 percent of the harvest, Valencias tallied 40 percent, with the remainder being the Navel variety.

In the Indian River District, St. Lucie Co. with 17.4 million boxes and Indian River with 12.2 million boxes are the state's top grapefruit producers providing 63 percent of the total crop. Leaders among the other areas were Hendry Co. with 3.6 million boxes and Polk with 2.9 million boxes.

Polk Co. produced the most specialty fruit, over 2.1 million boxes, and led in tangerine and tangelo production. Highlands raised the most Temples and Lake Co. provided 55 percent of the K-Early Citrus crop. St. Lucie and Hendry Counties were also among the leading producers of the specialty varieties.

Estimates of county production are prepared from objective survey data used in forecasting citrus crop production. The apportionment of final harvest to the counties is based on bearing trees from the biennial Commercial Citrus Inventory; the limb county survey, which provides an estimate of the average fruit per tree; and the drop and size surveys, which provide estimates of the amount of fruit on the tree available at harvest, and the size of the fruit at that time. The size of the samples used in these surveys and the distribution of the sample groves around the state are chosen to minimize the error in the estimates of production and are not to be considered as accurate for the counties as at the state or area level.



BOXES OF FRUIT PER TREE

The Florida Agricultural Statistics Service conducts objective surveys to determine fruit per tree, average sizes, and droppage between August and maturity. These data are used to estimate production per tree for each of four types of citrus fruit, as shown in the following tables.

The estimates of production per tree are based on official end-of-season production estimates and the number of bearing trees indicated by the citrus tree inventory surveys.

The averages of boxes per tree for age groups shown are calculated from estimates of fruit per tree in August, size at maturity, and drop between August and maturity.

Additionally, the boxes are subdivided by production areas. Estimated boxes by types and age groups are weighted averages of the indicated seasons. Small sample sizes in some age/area cells and rounding may contribute to inconsistant averages.

FLORIDA CITRUS: Estimated boxes of fruit per tree by age groups and production areas, 1994-95 through 1998-99

| Fruit type and season | Area | Age of trees |             |              |               |                    | Average, weighted by bearing trees |
|-----------------------|------|--------------|-------------|--------------|---------------|--------------------|------------------------------------|
|                       |      | 3 - 5 years  | 6 - 8 years | 9 - 13 years | 14 - 23 years | 24 years and older |                                    |

--- Boxes per tree ---

EARLY AND MIDSEASON ORANGES: (Includes Navels)

|         |                    |      |      |      |      |      |      |
|---------|--------------------|------|------|------|------|------|------|
| 1994-95 | State              | 1.2  | 3.1  | 4.1  | 4.6  | 5.2  | 3.26 |
|         | Indian River       | 0.6  | 2.3  | 2.3  | 2.4  | 3.6  | 2.41 |
|         | Northern & Central | 1.1  | 3.0  | 3.9  | 6.3  | 5.8  | 3.01 |
|         | Western            | 2.1  | 3.7  | 4.3  | 5.3  | 6.3  | 4.30 |
|         | Southern           | 1.0  | 3.0  | 4.9  | 4.1  | 4.4  | 2.91 |
|         |                    |      |      |      |      |      |      |
| 1995-96 | State              | 1.3  | 2.9  | 3.8  | 4.1  | 4.9  | 3.11 |
|         | Indian River       | 0.5  | 2.3  | 2.7  | 2.4  | 2.7  | 2.09 |
|         | Northern & Central | 1.6  | 2.7  | 3.7  | 5.7  | 6.7  | 3.17 |
|         | Western            | 1.1  | 3.6  | 3.8  | 4.4  | 5.6  | 3.75 |
|         | Southern           | 1.3  | 2.8  | 4.2  | 3.9  | 3.9  | 2.88 |
|         |                    |      |      |      |      |      |      |
| 1996-97 | State              | 1.3  | 2.8  | 3.7  | 5.1  | 5.3  | 3.33 |
|         | Indian River       | 1.0  | 1.5  | 3.0  | 3.2  | 3.1  | 2.45 |
|         | Northern & Central | 1.5  | 2.5  | 3.4  | 5.8  | 6.1  | 3.09 |
|         | Western            | 0.9  | 3.5  | 4.4  | 6.1  | 6.5  | 4.31 |
|         | Southern           | 1.4  | 2.9  | 3.4  | 4.7  | 4.4  | 3.05 |
|         |                    |      |      |      |      |      |      |
| 1997-98 | State              | 1.3  | 2.7  | 3.8  | 4.8  | 5.3  | 3.51 |
|         | Indian River       | 0.9  | 1.3  | 2.7  | 3.4  | 2.7  | 2.32 |
|         | Northern & Central | 1.4  | 3.1  | 4.2  | 6.3  | 7.6  | 3.97 |
|         | Western            | 1.5  | 3.6  | 4.2  | 5.6  | 6.1  | 4.46 |
|         | Southern           | 1.1  | 1.9  | 3.4  | 3.6  | 3.6  | 2.65 |
|         |                    |      |      |      |      |      |      |
| 1998-99 | State              | 0.8  | 1.9  | 2.9  | 3.8  | 4.2  | 2.79 |
|         | Indian River       | 0.4  | 1.4  | 2.1  | 2.5  | 2.7  | 2.05 |
|         | Northern & Central | 1.1  | 2.0  | 2.6  | 4.8  | 4.6  | 2.78 |
|         | Western            | 0.8  | 2.2  | 3.4  | 4.2  | 4.9  | 3.48 |
|         | Southern           | 0.6  | 1.8  | 2.8  | 3.3  | 3.6  | 2.48 |
|         |                    |      |      |      |      |      |      |
| Average | State              | 1.23 | 2.69 | 3.56 | 4.43 | 4.99 | 3.20 |
|         | Indian River       | 0.72 | 1.75 | 2.56 | 2.81 | 2.98 | 2.26 |
|         | Northern & Central | 1.37 | 2.66 | 3.48 | 5.66 | 6.16 | 3.21 |
|         | Western            | 1.34 | 3.35 | 4.00 | 5.06 | 5.87 | 4.06 |
|         | Southern           | 1.17 | 2.49 | 3.52 | 3.84 | 3.97 | 2.79 |
|         |                    |      |      |      |      |      |      |

FLORIDA CITRUS: Estimated boxes of fruit per tree by age groups and production areas, 1994-95 through 1998-99

| Fruit type and season | Area | Age of trees |             |              |               |                    | Average, weighted by bearing trees |
|-----------------------|------|--------------|-------------|--------------|---------------|--------------------|------------------------------------|
|                       |      | 3 - 5 years  | 6 - 8 years | 9 - 13 years | 14 - 23 years | 24 years and older |                                    |

--- Boxes per tree ---

LATE (VALENCIA) ORANGES:

|         |                    |      |      |      |      |      |      |
|---------|--------------------|------|------|------|------|------|------|
| 1994-95 | State              | 1.4  | 2.7  | 2.5  | 3.6  | 4.2  | 2.56 |
|         | Indian River       | 0.9  | 1.6  | 2.2  | 2.1  | 3.0  | 1.98 |
|         | Northern & Central | 1.4  | 2.4  | 2.2  | 5.4  | 5.3  | 2.88 |
|         | Western            | 2.0  | 3.3  | 3.3  | 3.5  | 4.4  | 3.21 |
|         | Southern           | 1.2  | 2.9  | 2.5  | 3.3  | 3.9  | 2.31 |
|         |                    |      |      |      |      |      |      |
| 1995-96 | State              | 1.2  | 2.0  | 2.5  | 3.2  | 4.0  | 2.26 |
|         | Indian River       | 0.8  | 1.0  | 1.8  | 1.8  | 2.1  | 1.47 |
|         | Northern & Central | 1.2  | 2.4  | 3.2  | 4.6  | 6.4  | 3.03 |
|         | Western            | 1.8  | 2.3  | 3.1  | 3.2  | 4.3  | 2.81 |
|         | Southern           | 1.0  | 2.0  | 2.1  | 3.1  | 2.9  | 1.81 |
|         |                    |      |      |      |      |      |      |
| 1996-97 | State              | 1.1  | 2.3  | 2.5  | 3.3  | 4.2  | 2.41 |
|         | Indian River       | 0.5  | 1.4  | 2.7  | 2.6  | 2.9  | 2.00 |
|         | Northern & Central | 1.2  | 2.2  | 2.4  | 4.0  | 5.7  | 2.74 |
|         | Western            | 0.9  | 3.0  | 3.0  | 3.8  | 4.2  | 2.93 |
|         | Southern           | 1.2  | 2.3  | 2.3  | 3.0  | 3.7  | 2.12 |
|         |                    |      |      |      |      |      |      |
| 1997-98 | State              | 1.1  | 2.2  | 2.6  | 3.8  | 4.9  | 2.69 |
|         | Indian River       | 1.0  | 1.7  | 2.1  | 2.2  | 3.2  | 2.14 |
|         | Northern & Central | 1.1  | 2.4  | 3.1  | 5.1  | 7.1  | 3.40 |
|         | Western            | 1.5  | 3.9  | 3.1  | 4.2  | 4.9  | 3.59 |
|         | Southern           | 0.9  | 1.6  | 2.3  | 3.5  | 3.7  | 2.01 |
|         |                    |      |      |      |      |      |      |
| 1998-99 | State              | 0.8  | 1.5  | 1.9  | 2.2  | 3.2  | 1.87 |
|         | Indian River       | 0.8  | 0.7  | 1.4  | 1.8  | 1.6  | 1.29 |
|         | Northern & Central | 0.7  | 1.7  | 2.0  | 2.8  | 4.4  | 2.24 |
|         | Western            | 1.3  | 2.3  | 2.5  | 1.9  | 3.2  | 2.43 |
|         | Southern           | 0.6  | 1.3  | 1.7  | 1.9  | 3.5  | 1.58 |
|         |                    |      |      |      |      |      |      |
| Average | State              | 1.14 | 2.09 | 2.30 | 3.15 | 4.12 | 2.35 |
|         | Indian River       | 0.82 | 1.30 | 1.96 | 2.07 | 2.58 | 1.78 |
|         | Northern & Central | 1.17 | 2.19 | 2.51 | 4.21 | 5.79 | 2.85 |
|         | Western            | 1.58 | 2.97 | 2.87 | 3.29 | 4.19 | 2.99 |
|         | Southern           | 1.07 | 1.93 | 2.08 | 2.91 | 3.55 | 1.96 |
|         |                    |      |      |      |      |      |      |