

**BUREAU OF PLANT & APIARY
INSPECTION**

ANNUAL REPORT

July 1, 2003 - June 30, 2004

Richard A. Clark, Chief



**FLORIDA DEPARTMENT OF
AGRICULTURE
AND CONSUMER SERVICES
Charles H. Bronson, Commissioner**

**DIVISION OF PLANT INDUSTRY
Richard D. Gaskalla, Director**

BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004

| <u>TABLE OF CONTENTS</u> | |
|---|----|
| Personnel | 3 |
| Introduction | 8 |
| Nursery and Stock Dealer Inspection Statistics | 8 |
| Types of Nurseries Under Inspection | 10 |
| Plants and Nurseries Under Inspection by County | 11 |
| Nursery Stock Classification | 13 |
| Trees for Reforestation by County | 15 |
| Fees Collected | 16 |
| Imported Fire Ant Certification Program | 17 |
| Citrus Canker Nursery Inspection Program | 17 |
| Boll Weevil Eradication Program | 17 |
| Pink Hibiscus Mealybug | 17 |
| Sudden Oak Death (SOD) | 17 |
| Survey and Trapping Activities | 18 |
| Citrus Tree Survey | 18 |
| Caribbean Fruit Fly Certification Program | 19 |
| Export Certification | 21 |
| Quarantines | 21 |
| Office of Agricultural Law Enforcement Report | 22 |
| Consumer Assistance | 23 |
| Apiary Inspection | 23 |
| Nematode Certification | 25 |

**BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004**

BUREAU OF PLANT AND APIARY INSPECTION PERSONNEL

| | | |
|-------------------------------|--------------------------------------|-------------|
| Richard A. Clark | Bureau Chief | Gainesville |
| Betty L. Roberts | Staff Assistant | Gainesville |
| Donna Pons | Fiscal Assistant I | Gainesville |
| Daniel C. Phelps | Asst Chief, Plant Inspection | Gainesville |
| Daniel P. Hudson | Senior Clerk | Gainesville |
| Bryan K. Benson | Distributed Computer Sys Spec | Gainesville |
| Glenda J. Anderson | Senior Word Proc Sys Operator | Gainesville |
| Lettie M. Roberts | Secretary Specialist | Gainesville |
| Tyson R. Emery | Environmental Specialist III | Gainesville |
| Michelle Hajar | Senior Clerk | Gainesville |
| Barbara Wilder | Environmental Specialist III | Palmetto |
| | | |
| | <u>REGION I</u> | |
| Stephen A. Hildebrandt | Environmental Supervisor II | Gainesville |
| Rashan Harris | Senior Clerk | Gainesville |
| | | |
| Laura L. Ooms | Environmental Supervisor I | Gainesville |
| William L. Robinson | Environmental Specialist I | Jay |
| Steve P. Beidler | Environmental Specialist I | Monticello |
| M. Janie Echols | Environmental Specialist I | Lake City |
| Christine A. Zamora | Environmental Specialist I | Gainesville |
| Sol F. Looker | Environmental Specialist I | Palatka |
| Larry W. Smith | Environmental Specialist I | Panama City |
| W. Wayne Bailey | Environmental Specialist I | Trenton |
| | | |
| W. Wayne Smith | Environmental Supervisor I | Tavares |
| Floyd J. McHenry | Environmental Specialist I | Ocala |
| Robert W. Dudley | Environmental Specialist I | Inverness |
| Mary C. Sellers | Environmental Specialist I | Tavares |
| Harry L. Morrison | Environmental Specialist I | Tavares |
| Tom L. Phillips | Environmental Specialist I | Tavares |
| Sam H. Simmons | Environmental Specialist I | Tavares |
| Charlie L. Spriggs | Environmental Specialist I | Tavares |
| | | |
| Tracy L. Wright | Environmental Supervisor I | Deland |
| Mark A. Wheldon | Environmental Specialist I | East Duval |
| Flewellyn W. Podris | Environmental Specialist I | West Duval |
| Stacey S. Simmons | Environmental Specialist I | Deland |
| Raymond C. Jarrett | Environmental Specialist I | Deland |
| Karen J. Wilson | Environmental Specialist I | Deland |
| Kevin S. Loadholtz | Environmental Specialist I | Deland |
| Jess V. Smith | Environmental Specialist I | Deland |

BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004

| <u>REGION II</u> | | |
|---------------------------|------------------------------------|--------------|
| Leo M. Sansoucy | Environmental Supervisor II | Apopka |
| Lydia McKittrick | Senior Clerk | Apopka |
| Serena Stornaiuolo | Environmental Supervisor I | Apopka |
| George A. Warden | Environmental Specialist I | Orlando |
| Lance A. Brown | Environmental Specialist I | Apopka |
| Leslie J. Wilber | Environmental Specialist I | Apopka |
| Tirzah M. Lyons | Environmental Specialist I | Apopka |
| Amanda D. Melco | Environmental Specialist I | Apopka |
| Kathy A. Gonzalez | Environmental Specialist I | Apopka |
| Anthony Puppelo | Environmental Specialist I | Apopka |
| Ping Qiao | Environmental Specialist I | Apopka |
| Helen A. Smith | Environmental Supervisor I | Winter Haven |
| R. Scott Cheshire | Environmental Specialist I | Dade City |
| Steve A. Bohnstedt | Environmental Specialist I | Winter Haven |
| Terrence D. Williams | Environmental Specialist I | Orlando |
| John P. Tice | Environmental Specialist I | Winter Haven |
| Charles A. Thornhill | Environmental Specialist I | Winter Haven |
| Paul R. Sasser | Environmental Specialist I | Dade City |
| Diana E. Bozeman | Environmental Specialist I | Dade City |
| Ralph E. Muekeley | Environmental Supervisor I | Clearwater |
| Alan R. Haynes | Environmental Specialist I | Clearwater |
| Thomas S. Lastrapes | Environmental Specialist I | Clearwater |
| Dave M. Mooney | Environmental Specialist I | Clearwater |
| Gabriella M. Bernard | Environmental Specialist I | Clearwater |
| Linda McRay | Environmental Specialist I | Clearwater |
| Ralph J. McNeill | Environmental Specialist I | Clearwater |
| Mark A. Spearman | Environmental Specialist I | Clearwater |
| Christine J. Frere | Environmental Supervisor I | Ft. Pierce |
| Richard T. Bloom | Environmental Specialist I | Avon Park |
| Vacant | Environmental Specialist I | Cocoa |
| Angelina M. Toral | Environmental Specialist I | Cocoa |
| Richard H. Stoll | Environmental Specialist I | Vero Beach |
| Jim J. Walukiewicz | Environmental Specialist I | Ft. Pierce |
| Jim E. Bennett | Environmental Specialist I | Avon Park |
| Carrie S. Stone | Environmental Specialist I | Avon Park |
| L. Wayne Clifton | Environmental Supervisor I | Bradenton |
| Mark L. Runnals | Environmental Specialist I | Bradenton |
| Albert L. Wright | Environmental Specialist I | Bradenton |

BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004

| | | |
|-----------------------------|------------------------------------|-----------------|
| Amber D. Messick | Environmental Specialist I | Sarasota |
| Karen L. Etchells | Environmental Specialist I | Bradenton |
| Evelyn M. Herring | Environmental Specialist I | Sarasota |
| Ethel C. Hatfield | Environmental Specialist I | Bradenton |
| | | |
| Howard L. Wallace | Environmental Supervisor I | Tampa |
| Amy R. Simington | Environmental Specialist I | Tampa |
| Jim R. Martin | Environmental Specialist I | Tampa |
| Terri L. Gater | Environmental Specialist I | Tampa |
| Leyanis Youngblood | Environmental Specialist I | Tampa |
| Karyn L. Pippenger | Environmental Specialist I | Tampa |
| James L. Anderson | Environmental Specialist I | Tampa |
| | | |
| | <u>REGION III</u> | |
| Louis T. Lodyga | Environmental Supervisor II | Miami |
| Elsie Aviles | Senior Clerk | Miami |
| | | |
| Ray T. Buchholz | Environmental Supervisor I | West Palm Beach |
| Jorge P. Gomez | Environmental Specialist I | Palm City |
| B. Marie Clark | Environmental Specialist I | West Palm Beach |
| Joao Tomaz DaFonseca | Environmental Specialist I | Bell Glade |
| Thomas S. Everett | Environmental Specialist I | West Palm Beach |
| LeAnn M. West | Environmental Specialist I | Palm City |
| James C. Lee | Environmental Specialist I | West Palm Beach |
| Michael L. Cartrett | Environmental Specialist I | Belle Glade |
| Lane M. Smith | Environmental Specialist I | Boynton Beach |
| Antonio I. Perez | Environmental Specialist I | Boynton Beach |
| Eduardo Solis | Environmental Specialist I | West Palm Beach |
| | | |
| Scott Shea | Environmental Supervisor I | Pompano Beach |
| Sallie H. Simmons | Environmental Specialist I | Broward Beach |
| Gregg D. Farina | Environmental Specialist I | Pompano Beach |
| J. Keith Harris | Environmental Specialist I | Pompano Beach |
| Nury M. Marrone | Environmental Specialist I | Davie |
| Rita J. Carpenter | Environmental Specialist I | Davie |
| William A. Thiel | Environmental Specialist I | Davie |
| Maria S. Quintanilla | Environmental Specialist I | Davie |
| Ellen J. Tannehill | Environmental Specialist I | Boynton Beach |
| Tom L. Salisbury | Environmental Specialist I | Boynton Beach |
| | | |
| Frederick J. Hubbard | Environmental Supervisor I | Hialeah |
| Lynda F. Davis | Environmental Specialist I | Hialeah |
| Olga Garcia | Environmental Specialist I | Hialeah |
| Rebecca Sanders | Environmental Specialist I | Hialeah |
| Maria Acosta | Environmental Specialist I | Miami |

BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004

| | | |
|---------------------------|-----------------------------------|--------------|
| Keith J. Richardson | Environmental Specialist I | Hialeah |
| Gwen H. Myers | Environmental Specialist I | Miami |
| Misael E. Igarza | Environmental Specialist I | Hialeah |
| Eduardo T. Putland | Environmental Supervisor I | Miami |
| Eduardo G. Camero | Environmental Specialist I | Miami |
| Mario J. Hernandez | Environmental Specialist I | Miami |
| RosaMaria M. Quinones | Environmental Specialist I | Miami |
| Duriad I. Hanna | Environmental Specialist I | Miami |
| Cheryl L. Lichkai | Environmental Specialist I | Florida City |
| Melba A. Otero | Environmental Specialist I | Miami |
| Lynn D. Howerton | Environmental Specialist I | Florida City |
| Ana L. Ochoa | Environmental Specialist I | Florida City |
| Karen W. LeBoutillier | Environmental Specialist I | Florida City |
| Matt W. Brodie | Environmental Supervisor I | Naples |
| Walter W. Golden | Environmental Specialist I | Ft. Myers |
| Lori A. Richards | Environmental Specialist I | Labelle |
| Scott D. Krueger | Environmental Specialist I | Naples |
| Alan J. Gambill | Environmental Specialist I | Ft. Myers |
| Leonora J. Coleman | Environmental Specialist I | Ft. Myers |
| Richard J. Nanneman | Environmental Specialist I | Naples |
| Richard L. Blaney | Environmental Specialist I | Ft. Myers |
| Jo Ann Pate | Environmental Specialist I | Labelle |

CITRUS TREE SURVEY

| | | |
|--------------------------|------------------------------------|--------------|
| Warren J. Dowling | Environmental Supervisor II | Dade City |
| Kathy D. Morgan | Environmental Specialist I | Palmetto |
| Ricky G. Kierce | Environmental Specialist I | Winter Haven |
| Lynn E. Zellers | Environmental Specialist I | Clermont |
| Craig J. Landress | Environmental Specialist I | Avon Park |
| Charles D. Wolfe | Environmental Specialist I | Dade City |
| Janet L. Young | Environmental Specialist I | Vero Beach |

APIARY INSPECTION

| | | |
|------------------------|---|--------------|
| Gerald W. Hayes | Assistant Chief, Apiary Inspection | Gainesville |
| Cathy A. Deweese | Administrative Secretary | Gainesville |
| Thomas B. Dowda | Agriculture and Consumer Protection Supervisor | Gainesville |
| Richard L. Dunaway | Agriculture and Consumer Protection Supervisor | Winter Haven |
| John L. Bastianelli | Agriculture and Consumer Protection Specialist | Sebring |
| Jerry A. Crews | Agriculture and Consumer Protection Specialist | Vero Beach |
| Harry E. Grant | Agriculture and Consumer Protection Specialist | Palm City |
| D. Fred Howard | Agriculture and Consumer Protection Specialist | La Belle |
| Jeffrey D. Pippin | Agriculture and Consumer Protection Specialist | Bristol |

**BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004**

| | | |
|---------------------|---|-------------|
| William I. Langston | Agriculture and Consumer Protection Specialist | Bristol |
| David Westervelt | Environmental Specialist I | Tavares |
| Carl D. Corbin | Agriculture and Consumer Protection Specialist | Milton |
| Randall A. Dean | Agriculture and Consumer Protection Specialist | Lake Butler |
| | | |

CARIBBEAN FRUIT FLY CERTIFICATION PROGRAM PERSONNEL

| | | |
|--------------------|---|--------------|
| Calie C. Jenkins | Environmental Specialist III | Ft. Pierce |
| Martin L. Weaver | Certification Specialist | Ft. Pierce |
| Karen L. Holko | Administrative Secretary | Ft. Pierce |
| John Richardson | Secretary Specialist | Ft. Pierce |
| Raymond H. Warren | Agriculture & Consumer Protection Supervisor | Ft. Pierce |
| Denise V. Marshall | Agriculture & Consumer Protection Supervisor | Ft. Pierce |
| Joyce V. Willis | Agriculture & Consumer Protection Supervisor | Labelle |
| Carol M. Elting | Agriculture & Consumer Protection Supervisor | Vero Beach |
| April L. Williams | Agriculture & Consumer Protection Inspector | Ft. Pierce |
| Junior Williams | Agriculture & Consumer Protection Inspector | Ft. Pierce |
| John W. Camp | Agriculture & Consumer Protection Inspector | Ft. Pierce |
| Thomas McCollum | Agriculture & Consumer Protection Inspector | Labelle |
| Ted A. Phillips | Agriculture & Consumer Protection Inspector | Winter Haven |
| Carlos M. Averhoff | Agriculture & Consumer Protection Inspector | Vero Beach |
| Toni A. Weaver | Agricultural Technician III | Ft. Pierce |
| Earnestine Grier | Agricultural Technician III | Ft. Pierce |
| Claudia M. Kennedy | Agricultural Technician III | Labelle |
| Thomas E. Wilkus | Agricultural Technician III | Vero Beach |

INTRODUCTION

The Bureau of Plant and Apiary Inspection is responsible for protecting Florida's agricultural industry and the public from the introduction and spread of serious plant and honeybee pests. This is accomplished by conducting regular inspections and surveys for the early detection of these pests. This bureau enforces Florida statutes and departmental rules pertaining to the movement of plants, plant products, honeybees, and honeybee products.

The bureau compiles an annual report following the close of each fiscal year. This report contains statistical information on Florida nurseries, nursery stock dealers, nursery stock, beekeepers, honeybee colonies, export certification, and other activities relating to the bureau's responsibilities.

This report is used as an organizational tool for planning bureau activities and budgetary needs. It is available to the public and the industry, and it provides frequently requested information concerning the plant and apiary industries in Florida.

NURSERIES

The total number of active, registered nurseries reported under inspection for the 2003-2004 fiscal year was **7,879** compared to 7,698 active registered nurseries last year. Some nurseries have more than one location or block. With **1,986** additional locations or blocks, the total number of nursery blocks is **9,565**. This compares to last year's total of 9,325 nursery locations and blocks.

During the 2003-2004 Fiscal Year, **808** new nurseries were registered, compared to the 773 new registrations last year. During the same period, **685** nurseries were marked out-of-business. A total of **13,057** inspections were made at nurseries and blocks this fiscal year. This compares with 11,957 inspections of nurseries and blocks reported in 2002-2003 fiscal year.

**BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004**

STOCK DEALERS

There were a total of **4,004** stock dealer establishments with active registration at the end of fiscal year 2003-2004. This compares with 3,833 registered stock dealer establishments last year. Some stock dealers have multiple locations or outlets. With 5,661 additional locations or outlets, the total number of registered stock dealer outlets is **9,665** at the end of fiscal year 2003-2004. This compares to 7,414 registered outlets reported in 2002-2003 fiscal year

During this period of time, **516** new stock dealers were registered and **607** stock dealers were marked out-of-business. This compares to 517 new registrations and 525 stock dealers marked out-of-business last year. Plant Inspection personnel made **9,327** inspections of stock dealer outlets that sell plants in the State of Florida this fiscal year. This compares with 7,695 inspections of stock dealer outlets reported in 2002-2003 fiscal year.

NURSERY AND STOCK DEALERS

| | |
|--|--------------|
| Non-Citrus Nurseries | 7,771 |
| Commercial Citrus Nurseries | 108 |
| Total Number of Active Nurseries | 7,879 |
| Non-Citrus Nursery Blocks | 1,686 |
| Commercial Citrus Blocks | 119 |
| Total Number of Nurseries and Blocks | 9,565 |
| Wholesale Nurseries | 3,560 |
| Retail Nurseries | 3,588 |
| Wholesale/Retail Nurseries | 2,254 |
| Other (own use, government agencies, etc.) | 163 |
| New Nurseries | 808 |
| Nurseries Going Out of Business | 685 |
| Total Number of Active Stock Dealers | 4,004 |
| Additional Stock Dealer Locations | 5,661 |
| Total Number of Stock Dealers and Locations | 9,665 |
| New Stock Dealers | 516 |
| Stock Dealers Going Out of Business | 607 |

BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004

| ACREAGE | |
|---|----------------------|
| | <i>Acres</i> |
| Citrus | 624.59 |
| Non Citrus | 58,023.63 |
| Aquatics | 28.96 |
| Vegetable Transplants | 1,563.02 |
| Caladiums & Other Bulbs | 1,742.46 |
| Total Acreage of Active Nurseries | **61,982.66 |
| INVENTORY | |
| | <i>Plants</i> |
| Commercial Citrus | 13,670,638 |
| Own-use Citrus | 492,543 |
| Miniature Citrus | 174,768 |
| Dooryard Citrus | 902,091 |
| Aquatics | 1,868,783 |
| Vegetable Transplants | 215,837,143 |
| Caladiums & Other Bulbs | 6,370 |
| Non Citrus | 567,715,437 |
| Total Amount of Nursery Stock in Active Nurseries | **800,667,773 |
| ** Does not include 399.93 acres and 46,336,181 seedling trees grown for reforestation. | |

| TYPE OF NURSERIES UNDER INSPECTION | | |
|--|------------------|------------------|
| TYPE | 2002-2003 | 2003-2004 |
| Citrus | 79 | 72 |
| Citrus and Ornamental | 31 | 32 |
| Citrus, Ornamental and Fruits/Nuts | 7 | 4 |
| Ornamental | 6,438 | 6,603 |
| Ornamental and Native Plants | 32 | 27 |
| Ornamental and Other Fruits/Nuts | 754 | 775 |
| Ornamental and Aquatics | 53 | 51 |
| Ornamental and Vegetable Transplants | 20 | 21 |
| Ornamental, Caladiums/Bulb Producers | 21 | 11 |
| Ornamental, Native Plants, and Other Fruits/Nuts | 10 | 4 |

**BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004**

| | | |
|---|----|----|
| Ornamental, Other Fruits/Nuts, Aquatics | 20 | 23 |
| Ornamental, Other Fruits/Nuts, Vegetable Transplants | 6 | 11 |
| Ornamental, Fruits/Nuts, Caladiums/Bulb Producers | 18 | 13 |
| Ornamental, Native Plants, Fruits/Nuts, Vegetable Transplants | 1 | 0 |
| Ornamental, Native Plants, Fruits/Nuts, Aquatics | 0 | 1 |
| Ornamental, Fruits/Nuts, Aquatics, Caladiums/Bulb Producers | 1 | 1 |
| Ornamental, Fruits/Nuts, Vegetable Transplants, Caladiums/Bulb Producers | 1 | 0 |
| Aquatics | 48 | 42 |
| Native plants | 9 | 11 |
| Fruits/Nuts | 99 | 98 |
| Vegetable Transplants | 42 | 44 |
| Fruits/Nuts, Vegetable Transplants | 1 | 1 |
| Caladiums/Bulb Producers | 30 | 26 |
| Nurseries with No Block Inventory | 30 | 26 |

| PLANTS AND NURSERIES UNDER INSPECTION BY COUNTY | | | |
|--|----------------------|---------------------|------------------------|
| County | Total Acreage | Total Plants | Total Nurseries |
| Alachua | 740.05 | 6,737,977 | 207 |
| Baker | 687.65 | 3,588,843 | 30 |
| Bay | 10.95 | 30,175 | 22 |
| Bradford | 30.62 | 75,149 | 19 |
| Brevard | 942.60 | 842,979 | 204 |
| Broward | 2,674.66 | 10,868,620 | 450 |
| Calhoun | 16.72 | 650,705 | 7 |
| Charlotte | 215.09 | 201,933 | 31 |
| Citrus | 125.88 | 918,806 | 80 |
| Clay | 392.01 | 2,967,644 | 43 |
| Collier | 953.66 | 207,945,031 | 175 |
| Columbia | 196.37 | 985,232 | 55 |
| Dade | 13,969.48 | 98,593,315 | 1,234 |
| Desoto | 163.29 | 2,327,539 | 38 |
| Dixie | 162.44 | 21,122 | 30 |
| Duval | 508.28 | 1,176,889 | 74 |
| Escambia | 98.30 | 527,510 | 65 |

**BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004**

| | | | |
|--------------|----------|-------------|-----|
| Flagler | 294.86 | 3,228,783 | 29 |
| Franklin | 0.12 | 2,700 | 4 |
| Gadsden | 1,159.20 | 14,393,665 | 16 |
| Gilchrist | 476.00 | 332,049 | 33 |
| Glades | 852.42 | 90,124 | 22 |
| Gulf | 0.31 | 1,900 | 3 |
| Hamilton | 57.64 | 77,235 | 12 |
| Hardee | 2,976.93 | 7,325,782 | 60 |
| Hendry | 496.29 | 380,626 | 56 |
| Hernando | 385.32 | 504,536 | 98 |
| Highlands | 2,470.55 | 9,131,715 | 126 |
| Hillsborough | 3,407.32 | 165,430,661 | 513 |
| Holmes | 2.71 | 9,650 | 7 |
| Indian River | 243.09 | 277,688 | 61 |
| Jackson | 47.17 | 48,855 | 17 |
| Jefferson | 693.76 | 2,440,375 | 35 |
| Lafayette | 96.02 | 705,184 | 6 |
| Lake | 3,747.24 | 43,005,303 | 352 |
| Lee | 2,353.00 | 3,085,023 | 204 |
| Leon | 101.30 | 216,313 | 46 |
| Levy | 827.78 | 452,303 | 48 |
| Liberty | 7.70 | 4,990 | 5 |
| Madison | 181.23 | 1,399,663 | 21 |
| Manatee | 1,263.68 | 5,065,236 | 182 |
| Marion | 1,706.68 | 3,685,554 | 217 |
| Martin | 1,658.69 | 3,568,065 | 121 |
| Monroe | 15.92 | 64,612 | 44 |
| Nassau | 120.09 | 227,447 | 15 |
| Okaloosa | 61.68 | 203,941 | 30 |
| Okeechobee | 712.21 | 649,590 | 37 |
| Orange | 2,002.36 | 124,768,511 | 490 |
| Osceola | 239.22 | 1,851,082 | 73 |
| Palm Beach | 4,235.63 | 29,628,917 | 546 |
| Pasco | 585.27 | 2,012,320 | 192 |
| Pinellas | 162.67 | 1,006,072 | 193 |
| Polk | 1,379.65 | 14,411,407 | 295 |
| Putnam | 132.81 | 1,445,445 | 52 |

BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004

| | | | |
|----------------|------------------|--------------------|--------------|
| St. Johns | 163.02 | 866,201 | 45 |
| St. Lucie | 1,107.21 | 2,155,259 | 68 |
| Santa Rosa | 366.54 | 5,229,625 | 51 |
| Sarasota | 365.56 | 1,559,397 | 131 |
| Seminole | 1,168.56 | 3,394,524 | 123 |
| Sumter | 490.14 | 3,266,519 | 44 |
| Suwannee | 453.97 | 2,731,261 | 43 |
| Taylor | 133.92 | 47,211 | 18 |
| Union | 22.32 | 16,621 | 4 |
| Volusia | 626.37 | 1,739,267 | 296 |
| Wakulla | 22.22 | 20,447 | 12 |
| Walton | 16.40 | 20,800 | 8 |
| Washington | 3.86 | 18,850 | 11 |
| TOTALS: | 61,982.66 | 800,667,773 | 7,879 |

| NURSERY STOCK CLASSIFIED AS ORNAMENTAL | | |
|---|--------------------|--------------------|
| Classification | 2002-2003 | 2003-2004 |
| Shrubs | 122,148,007 | 114,805,110 |
| Trees, Flowering | 24,453,352 | 25,281,649 |
| Palms | 27,924,514 | 29,599,176 |
| Orchids | 13,717,263 | 15,472,684 |
| Succulents | 3,634,012 | 3,445,737 |
| Foliage Plants | 193,695,958 | 173,217,826 |
| Miniature Citrus | 99,762 | 174,768 |
| Dooryard Citrus | 894,747 | 902,091 |
| Perennials | 10,590,564 | 12,493,236 |
| Vines | 28,511,732 | 157,075,722 |
| Miscellaneous Annuals | 2,890,536 | 2,834,870 |
| Bromeliads | 23,433,925 | 31,968,368 |
| Endangered | 561 | 410 |
| Threatened | 24,408 | 27,094 |
| Exploited | 63,776 | 67,174 |
| Aquatics | 2,110,888 | 1,868,783 |
| Vegetable Transplants | 198,502,419 | 215,837,143 |
| Caladium & Bulbs | 28,477 | 6,370 |
| TOTALS** | 652,724,901 | 785,078,211 |

**BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004**

| | | |
|--------------------------------------|------------|------------|
| ** Trees for reforestation excluded. | 66,919,320 | 46,336,181 |
| ** Non-Citrus Seedbeds excluded. | 1,253 | 110,501 |
| ** Non-Citrus Liners excluded. | 75,881 | 30,153 |
| ** Non-Citrus Own-Use excluded. | 38,592 | 37,993 |

| NURSERY STOCK BY KIND OF STOCK | | | | | | |
|---------------------------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|
| Kind of Stock | 2001-2002 | | 2002-2003 | | 2003-2004 | |
| | Acres | Plants | Acres | Plants | Acres | Plants |
| Orange | | 5,572,319 | | 5,870,199 | | 5,674,831 |
| Grapefruit | | 601,956 | | 704,767 | | 610,250 |
| Mandarin type | | 283,974 | | 193,982 | | 190,982 |
| Lemons & limes | | 103,055 | | 93,761 | | 101,722 |
| Seedlings, in beds | | 4,619,704 | | 2,918,986 | | 4,514,217 |
| Seedlings, lined out | | 4,324,834 | | 3,441,406 | | 2,938,200 |
| Miscellaneous Citrus | | 63,228 | | 55,015 | | 132,979 |
| TOTAL CITRUS | 607.96 | 15,569,070 | 619.16 | 13,278,116 | 624.59 | 14,163,181 |
| Ornamental | | 506,787,115 | | 452,198,843 | | 567,544,562 |
| Fruits and Nuts | | 1,022,312 | | 1,148,673 | | 1,247,734 |
| Aquatics | | 2,170,487 | | 2,110,888 | | 1,868,783 |
| Vegetable Transplants | | 166,316,972 | | 198,502,419 | | 215,837,143 |
| Caladiums & Other Bulbs | | 71,250 | | 28,477 | | 6,370 |
| TOTAL NONCITRUS | 53,205.10 | 676,368,136 | 56,967.01 | 653,989,300 | 58,023.63 | 786,504,592 |
| GRAND TOTAL | 53,813.06 | 691,937,206 | 57,586.17 | 667,267,416 | 61,982.66 | 800,667,773 |
| Trees for Reforestation | 530.70 | 92,016,107 | 353.20 | 66,919,320 | 399.93 | 46,336,181 |
| GRAND TOTAL (under inspection) | 54,343.76 | 783,953,313 | 57,939.37 | 734,186,736 | 62,382.59 | 847,003,954 |

**BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004**

| NURSERY STOCK CLASSIFIED AS OTHER FRUITS AND NUTS | | |
|--|------------------|------------------|
| Category | 2002-2003 | 2003-2004 |
| Nuts | 106,404 | 155,093 |
| Tropical Fruits | 541,039 | 554,943 |
| Deciduous Fruits | 152,122 | 176,221 |
| Berries | 349,108 | 361,477 |
| Totals | 1,148,673 | 1,247,734 |

| COUNTIES WITH TREES FOR REFORESTATION | | | |
|--|--------------------------------|--------------------------------|----------------------------|
| County | Trees for Reforestation | Acres for Reforestation | Number of Nurseries |
| Alachua | 18,120 | 7.70 | 3 |
| Clay | 45,000 | 2.00 | 1 |
| Dade | 3,300 | 11.00 | 2 |
| Desoto | 34,100 | 1.00 | 1 |
| Jackson | 5,000,000 | 12.00 | 1 |
| Lafayette | 800,000 | 10.00 | 1 |
| Levy | 8,000,000 | 93.00 | 1 |
| Madison | 2,002,000 | 86.00 | 2 |
| Manatee | 117,600 | 11.00 | 3 |
| Nassau | 2,000 | 0.25 | 1 |
| Orange | 24,000 | 1.25 | 1 |
| Osceola | 3,000 | 15.00 | 1 |
| Palm Beach | 25,000 | 30.00 | 2 |
| Pinellas | 4,000 | 10.00 | 1 |
| Santa Rosa | 250,000 | 5.00 | 1 |
| Sarasota | 1,000 | 1.00 | 1 |
| Suwannee | 8,000,000 | 40.00 | 1 |
| Taylor | 22,000,000 | 46.00 | 1 |
| Totals | 46,335,000 | 390.00 | 24 |

BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004

| OVERVIEW OF INSPECTION STATISTICS 2003-2004 | |
|--|----|
| Nursery Districts | 75 |
| Citrus Tree Survey Districts | 8 |
| Nematode Certification Districts | 8 |
| Protocol Offices | 4 |
| Apiary Districts | 13 |

| MONIES COLLECTED 2003-2004 | |
|---------------------------------------|--------------------------------|
| <u>Type of Charges</u> | <u>Amount Collected</u> |
| Nursery Certificate Fees | \$562,120.71 |
| Stock Dealer Certification Fees | \$153,849.40 |
| Apiary Certificate Fees | \$23,460.00 |
| Special Inspection Charges (Plant) | \$744,064.13 |
| Special Inspection Charges (Apiary) | \$581.34 |
| Nematode Sampling Charges | \$261,901.88 |
| Boll Weevil Assessments | \$552,664.73 |
| Caribfly Protocol | \$1,446,996.82 |
| Returned Checks Re-deposited | \$2,085.90 |
| Service Charges on Checks | \$430.00 |
| Introduction Permit Fees | \$682.50 |
| Miscellaneous Items | \$6,774.78 |
| Pathology - Grants-Special Projects | \$3,325.00 |
| Apiary - Grants-Special Projects | \$15,728.79 |
| Miscellaneous Grants-Special Projects | \$3,000.00 |
| Refunds | \$72.85 |
| Irradiator Fees | \$39,705.00 |
| Bio-Control | \$15,000.00 |
| CTV | \$3,290.00 |
| Winter Haven Fumigation | \$300.00 |
| Administrative Fines | \$19,610.00 |
| Grades & Standards Publications | \$3,165.00 |
| TOTAL: | \$3,858,808.83 |

**BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004**

IMPORTED FIRE ANT CERTIFICATION PROGRAM

As of June 30, 2004, there were **1,520** nurseries and stock dealers under compliance agreement for Imported Fire Ant (IFA) certification purposes. This compares to a total of 1,455 nurseries and stock dealers under compliance on June 30, 2003.

CITRUS CANKER NURSERY INSPECTION PROGRAM

As of June 30, 2004, there were **1,272** nursery blocks and stock dealer outlets that are inspected on a 60-day cycle for citrus inventory. This compares to a total of 1,015 nursery blocks and stock dealer outlets inspected on a 60-day cycle as of June 30, 2003.

BOLL WEEVIL ERADICATION PROGRAM

At the close of the 2003-2004 cotton-growing season, there were **442** commercial cotton producers in the state. These producers planted **92,241** acres of cotton in **13** counties. Throughout the 2003-2004 cotton growing season, there were no boll weevils trapped in the state.

PINK HIBISCUS MEALYBUG (PHM)

Between July 1, 2003 and June 30, 2004 Department personnel witnessed the destructions of **8,756** plants as a result of PHM. In July 2002 the Division in cooperation with USDA initiated a Pink Hibiscus Mealybug Biological Control Program in Broward and Miami-Dade counties, which is ongoing. At the present time PHM has been detected in Dade, Brevard, Broward, Collier, Hillsborough, Indian River, Martin, Palm Beach, Pinellas, and St. Lucie counties.

SUDDEN OAK DEATH (SOD)

In March 2004, California Department of Agriculture and United States Department of Agriculture announced that *Phytophthora ramorum*, the causative organism in the disease called sudden oak death (SOD) had been detected in several large commercial nurseries in Southern California. These nurseries had shipped much potentially infected stock to many states around the country, including Florida.

Trace forward information was provided for plant material shipped from Monrovia Growers, Azusa, California and Specialty Plants, Inc. in San Marcos, California. As a result of this information **60** nurseries and stock dealers were issued a stop sale and hold order for plant material received from Monrovia Growers. **5** of the nurseries in Florida tested positive for *P. ramorum* resulting in the destruction of **2201** plants.

Trace forward information was provided by Specialty Plants, Inc. for **520** recipients of mail-order plant material in Florida. All recipients were notified by mail of the situation and asked to complete a questionnaire and submit suspect samples for identification. **373** recipients

**BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004**

responded. **73** follow-up inspections were conducted by bureau personnel. There were no positive identifications of *P. ramorum* detected.

The Division of Plant Industry participated in USDA's *Phytophthora ramorum* 2004 National Survey. **31** locations were identified around the state. Inspectors collected **1005** plant samples and submitted to Plant Pathology for identification and analysis. There were no positive identifications of *P. ramorum* detected.

SURVEY ACTIVITIES

| <u>Pest Records</u> | <u>Arthropods/Mollusca</u> | <u>Diseases</u> |
|----------------------------|-----------------------------------|------------------------|
| New Host Records | 210 | 27 |
| New County Records | 150 | 0 |
| New State Records | 13 | 6 |
| New US Records | 9 | 1 |
| New to Science | 0 | 0 |
| New to Western Hemisphere | 1 | 0 |

TRAPPING ACTIVITIES

The bureau examines and services various insect traps throughout the state for the early detection of exotic pests. This is summarized below.

Fruit Fly Detection:

During fiscal year 2003-2004, Plant Inspection personnel and USDA personnel tended **27,939** Trimedlure traps, **7,049** Cue lure traps, **12,794** Methyl euginol traps, and **8,864** Multilure traps bringing the average number of traps tended statewide to **56,646**.

Gypsy Moth Detection:

Plant Inspection personnel tended **222** gypsy moth traps throughout north Florida with no reproducing gypsy moth detected.

CITRUS TREE SURVEY

During fiscal year 2003-2004, Citrus Tree Survey (CTS) personnel surveyed **299,271** acres of commercial citrus for pests and diseases. CTS personnel also conducted **6,777** inspections at nurseries and stock dealers for pest detection/exclusion activities including Sudden Oak Death and Pink Hibiscus Mealybug.

**BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004**

CARIBBEAN FRUIT FLY CERTIFICATION PROGRAM

The Caribbean fruit fly, *Anastrepha suspensa* (Lowe), has been a serious pest of many tropical and sub-tropical fruits of central and south Florida. From the 1965 introduction in the Miami area to the present, this pest has caused concern for many Florida growers and consumers throughout the world. Due to the economic severity that is imposed on fresh fruits and the need to protect other areas of the world against this pest, rigid agricultural quarantines have been established to prevent the movement of infested material and also provide a means for compliance and treatment.

Although these post harvest treatments (fumigation) provided necessary safeguards against this pest, they proved to be expensive and often caused damage to the fruit. In the early 1980's, studies were initiated for the purpose of developing new procedures for certifying citrus fruit free of the Caribbean fruit fly. Based upon these initial studies and a better understanding of the Caribfly as it relates to citrus, an acceptable certification procedure was established. This procedure is referred to as the AFly-Free Certification Program.® Presently, **Bermuda, Brazil, Chile, Colombia, Ecuador, Japan, Korea, New Zealand, Philippines, Thailand, the People's Republic of China, Vietnam** and the states of **California, Hawaii** and **Texas** have accepted this fly-free certification procedure.

The current procedures for certifying citrus with the fly-free zone concept requires that the fruit come from specific Caribbean fruit fly controlled areas, or designated areas in 22 eligible citrus producing counties (see Table 2).

As can be seen in Table 1, the total acres certified have significantly increased over the last eighteen years. The 2003-2004 citrus fruit season had 162,540 acres certified in 22 eligible citrus producing counties (see Table 2).

With the Caribfly Protocol, a safe and effective procedure has been established to export citrus to areas requiring quarantine safeguards. Currently the largest importer of fresh Florida citrus fruit is Japan. Since the beginning of the 2003-2004 shipping season there has been a total of 12,142,059 4/5 bushel cartons of citrus fruit shipped to Japan. The fly free certification method has become an accepted procedure and represents 85% of the total Japanese fresh fruit export market during an eighteen year period. For the 2003-2004 season alone, the fly free certification method represents 100% of the total Japanese fresh fruit export market.

The Caribbean Fruit Fly Protocol is administered by the Florida Department of Agriculture and Consumer Services= Division of Plant Industry and Division of Fruit and Vegetable Inspection, in cooperation with the U.S. Department of Agriculture, Animal and Plant Health Inspection Service, Plant Protection and Quarantine.

Table 1

TOTAL ACRES CERTIFIED

| <u>Fruit Season</u> | <u>Designated Areas</u> | <u>Total Acres</u> | <u>Number of Counties</u> | <u>Number of Acres Certified</u> |
|---------------------|-------------------------|--------------------|---------------------------|----------------------------------|
| 1986/1987 | 162 | 48,600 | 2 | 16,500 |
| 1987/1988 | 322 | 96,600 | 4 | 32,000 |
| 1988/1989 | 744 | 223,200 | 7 | 62,020 |
| 1989/1990 | 902 | 270,600 | 13 | 77,300 |
| 1990/1991 | 1,095 | 328,500 | 15 | 114,240 |
| 1991/1992 | 1,364 | 409,200 | 16 | 139,880 |
| 1992/1993 | 1,658 | 497,400 | 18 | 152,580 |
| 1993/1994 | 1,853 | 555,900 | 19 | 161,140 |

**BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004**

| | | | | |
|-----------|-------|---------|----|---------|
| 1994/1995 | 1,989 | 596,700 | 19 | 187,780 |
| 1995/1996 | 2,260 | 678,000 | 20 | 204,220 |
| 1996/1997 | 2,239 | 698,700 | 20 | 188,080 |
| 1997/1998 | 2,361 | 708,300 | 20 | 186,480 |
| 1998/1999 | 2,393 | 717,900 | 20 | 185,200 |
| 1999/2000 | 2,511 | 753,300 | 21 | 184,020 |
| 2000/2001 | 2,569 | 770,700 | 22 | 178,500 |
| 2001/2002 | 2,636 | 790,800 | 22 | 175,200 |
| 2002/2003 | 2,684 | 805,200 | 22 | 157,640 |
| 2003/2004 | 2,713 | 813,900 | 22 | 162,540 |
| 2004/2005 | 2,724 | 817,200 | | |

| Table 2 | | | | | |
|---|----------------------------|---------------------------------|-------------------------------|---------------------------------|---------------------|
| <u>ACRES CERTIFIED 2003-2004 EARLY SEASON AND STANDARD CERTIFICATION BY COUNTY</u> | | | | | |
| | <u>EARLY SEASON</u> | | <u>STANDARD SEASON</u> | | |
| <u>COUNTY</u> | <u>BAIT SPRAY</u> | <u>NEGATIVE TRAPPING</u> | <u>BAIT SPRAY</u> | <u>NEGATIVE TRAPPING</u> | <u>TOTAL</u> |
| Brevard | 120 | 0 | 200 | 0 | 320 |
| Charlotte | 440 | 5,100 | 200 | 5,100 | 10,840 |
| Collier | 480 | 0 | 600 | 0 | 1,080 |
| Desoto | 320 | 0 | 520 | 0 | 840 |
| Glades | 40 | 0 | 0 | 0 | 40 |
| Hardee | 360 | 0 | 480 | 0 | 840 |
| Hendry | 1,760 | 2,100 | 560 | 1,500 | 5,920 |
| Highlands | 1,040 | 0 | 800 | 0 | 1,840 |
| Indian River | 2,880 | 20,400 | 8,880 | 19,500 | 51,660 |
| Lake | 1,280 | 0 | 80 | 0 | 1,360 |
| Manatee | 80 | 0 | 80 | 0 | 160 |
| Martin | 1,400 | 600 | 1,480 | 0 | 3,480 |
| Osceola | 280 | 0 | 360 | 0 | 640 |
| Okeechobee | 600 | 300 | 880 | 0 | 1,660 |
| Orange | 80 | 0 | 0 | 0 | 80 |
| Palm Beach | 1,240 | 0 | 1,240 | 0 | 2,480 |
| Pasco | 80 | 0 | 40 | 0 | 120 |
| Polk | 720 | 0 | 360 | 0 | 1,080 |
| Sarasota | 40 | 0 | 40 | 0 | 80 |
| St. Lucie | 4,360 | 31,200 | 14,560 | 27,900 | 78,020 |
| Total Acres | 17,600 | 59,700 | 31,240 | 54,000 | 162,540 |
| Early Season Total | 77,300 | | | | |
| Standard Season Total | 85,240 | | | | |
| Grand Total | 162,540 | | | | |

**BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004**

| Table 4 | | | | | |
|--|----------------------------------|---------------------------------|-------------------------|------------------|--------------------|
| EXPORT OF FRESH CITRUS TO JAPAN | | | | | |
| (4/5 BUSHEL BOXES) | | | | | |
| FRESH FRUIT SEASON | COLD TREATMENT SHORT TERM | COLD TREATMENT LONG TERM | FLY CONTROL ZONE | EDB | TOTAL |
| 1986/1987 | 1,530,366 | 1,643,968 | 926,076 | 4,999,988 | 9,100,368 |
| 1987/1988 | 1,142,354 | 3,905,585 | 4,461,699 | 951,848 | 10,471,486 |
| 1988/1989 | 2,291,669 | 4,571,525 | 6,473,147 | 0 | 13,336,341 |
| 1989/1990 | 100,364 | 303,486 | 4,973,538 | 0 | 5,377,388 |
| 1990/1991 | 1,626,865 | 1,071,805 | 8,813,266 | 0 | 11,511,936 |
| 1991/1992 | 385,835 | 1,043,456 | 9,618,375 | 0 | 11,047,666 |
| 1992/1993 | 309,856 | 382,566 | 8,490,940 | 0 | 9,183,362 |
| 1993/1994 | 94,754 | 462,491 | 11,039,972 | 0 | 11,597,217 |
| 1994/1995 | 31,694 | 27,027 | 10,369,389 | 0 | 10,428,110 |
| 1995/1996 | 6,506 | 42,057 | 11,302,379 | 0 | 11,351,242 |
| 1996/1997 | 8,915 | 124,848 | 10,933,942 | 0 | 11,067,185 |
| 1997/1998 | 3,627 | 158,147 | 9,169,261 | 0 | 9,331,035 |
| 1998/1999 | 7,182 | 99,154 | 10,014,270 | 0 | 10,120,606 |
| 1999/2000 | 0 | 99,819 | 10,872,580 | 0 | 10,972,399 |
| 2000/2001 | 2,493 | 214,026 | 10,560,115 | 0 | 10,776,634 |
| 2001/2002 | 5,334 | 48,834 | 11,198,287 | 0 | 11,252,455 |
| 2002/2003 | 6,106 | 0 | 10,181,532 | 0 | 10,187,638 |
| 2003/2004 | 0 | 0 | 12,142,059 | 0 | 12,142,059 |
| TOTAL | 7,553,920 | 14,198,794 | 161,540,607 | 5,961,836 | 189,255,157 |

| EXPORT CERTIFICATION |
|--|
| <p>Plant Inspection personnel issued the following number of various certificates for plants and plant products destined to other states and countries.</p> <ul style="list-style-type: none"> + State Phytosanitary Certificates: 6,841 certificates + Federal Phytosanitary Certificates: 10,671 certificates + Federal Re-export Certificates: 928 certificates + Total State and Federal for 2002-2003: 13,135 certificates + Total State and Federal for 2003-2004: 17,512 certificates |

| QUARANTINES |
|---|
| <p>A total of 2,091,778 plants were placed under quarantine this fiscal year to prevent further dissemination of potentially serious plant pests. This does not include citrus trees quarantined because of citrus canker.</p> |

**BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004**

**OFFICE OF AGRICULTURAL LAW ENFORCEMENT REPORT
Of AGRICULTURAL PRODUCTS ENTERING FLORIDA**

A total of **62,095** vehicles carrying plants and plant products were reported entering and exiting Florida through the agriculture inspection stations operated by the Office of Agricultural Law Enforcement Unit during the 2003-2004 Fiscal Year. The commodities indicated below were reported from shipments entering Florida. Statistics provided by the Office of Agricultural Law Enforcement.

| Commodity | # of Shipments | # of Violations |
|--------------------|-----------------------|------------------------|
| AAA Multiproducts | 181 | 3 |
| Avocado | 10 | 2 |
| Baby's Breath | 1 | 0 |
| Broccoli | 14 | 0 |
| Cauliflower | 1 | 0 |
| Celery | 3 | 0 |
| Chrysanthemum | 3 | 0 |
| Citrus | 157 | 50 |
| Cucumbers | 20 | 0 |
| Cut Christmas Tree | 302 | 7 |
| Cut Fern | 36 | 0 |
| Cut Flowers | 167 | 0 |
| Cut Foliage | 184 | 8 |
| Dogwood | 7 | 4 |
| Garden Lettuce | 24 | 0 |
| Garlic | 4 | 0 |
| Green Onions | 50 | 44 |
| Hay | 136 | 0 |
| Leeks | 1 | 1 |
| Lime | 29 | 10 |
| Mangoes | 16 | 1 |
| Melon | 51 | 0 |
| Nursery Stock | 2345 | 213 |
| Oak | 110 | 7 |
| Onion | 232 | 8 |
| Organic Vegetables | 24 | 10 |
| Other - Plant | 82 | 10 |
| Pepper | 28 | 3 |
| Potato | 498 | 1 |
| Produce-Domestic | 1420 | 30 |
| Produce-Foreign | 637 | 67 |
| Red Chard | 1 | 1 |
| Seed Potatoes | 497 | 2 |
| Sod | 216 | 1 |
| Spinach | 3 | 1 |
| Sugarcane | 1 | 1 |
| Sweet Pea | 1 | 0 |
| Tomato | 381 | 7 |
| Viola | 1 | 1 |
| Total | 7875 | 493 |

BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004

CONSUMER ASSISTANCE

Plant Inspection routinely assists consumers by responding to complaints and requests for information or by investigating plant pest problems. From July 1, 2003 until June 30, 2004 there were **669** consumer requests received by the Division of Plant Industry Helpline and forwarded to Plant Inspection for follow-up. The program areas of the calls included Pink Hibiscus Mealybug, Sudden Oak Death, Termite, Fruit Fly, and Gals.

APIARY INSPECTION

AMERICAN FOULBROOD

Resistance to the only labeled antibiotic for treatment of American Foulbrood seems to be coming more pervasive throughout the state. Additional antibiotic treatments, natural inhibitors and other benign bacterial competitors are being explored and pursued. We have identified 107 colonies infected with American Foulbrood. These were burned as the only known effective control of this endemic disease.

VARROA MITE

Every colony within the State of Florida is experiencing some degree of resistance by the Varroa mite to Apistan and Coumaphos. We have received a Section 18 registration for the product Api-Life-Var; active ingredients are essential oils, to act as an interim control of the Varroa mite. We are actively engaged in working with Industry, Academia and Government to identify and register new effective Varroa mite controls and treatments.

SMALL HIVE BEETLE

Beekeepers that have strong healthy colonies, i.e., have Varroa mites at low levels generally have little small hive beetle (SHB) infections at the colony level. Beekeepers are learning practices of honey processing that lower the incidence of SHB infestations in comb before and after the extraction process.

There is one trap available on the retail market that is effective. The United States Department of Agriculture's Veterinary Entomology group is working on a SHB trap with a lure that is showing promise which is currently under final field trials before release.

INDUSTRY STATUS

Honey prices are still the main economic indicator of the health of the Beekeeping Industry in Florida. These prices have fallen from a high of approximately \$1.50 per pound in late 2003 to less than half that amount by summer of 2004. Chinese honey that previously had been less of a market concern because of anti-dumping restrictions and unlawful antibiotic residues has reappeared in an ultra-filtered form, to remove antibiotic contamination, and is labeled as honey from third party countries who transship this material.

This material at prices well below the cost of production by Florida Beekeepers has crowded out honeys from Florida in their pure form. Some of Florida's quality varietals honeys such as citrus, gall berry, Tupelo and others have been purchased to be blended with this less expensive imported product.

A continuing realization by Florida Fruit and Vegetable Producers of the need for honey bees for pollination is just now starting to be seen in higher pollination fees. There is competition for honey bees in early spring through-out the United States that is affecting availability and prices paid.

**BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004**

Honey Production was the absolute best in 15 years for premium citrus honey in most parts of Florida and only a 50% crop of the equally premium Tupelo honey was realized. Other honeys produced were on par with past production figures.

AFRICANIZED HONEY BEES

Monitoring of ports and the interstate highway systems continue in our efforts to not be surprised by an accidental introduction of this unwanted species. Established colonies of bees of African origin were detected for the first time in Florida in Tampa. All indications are that they are being cross bred with European bees and are now more European than African. We have identified 2 African/European hybrids finds throughout the state of Florida, all of which were destroyed. Continued hybridization of the feral honey bee population causes concern. A healthy, active, managed and gentle honey bee population is crucial to stemming the tide of the purification of these hybrid African Honey Bee populations. An additional concern of the accidental introduction of the Cape honey bee, *Apis mellifera copeneis*, has recently been brought to our attention. The Cape Bee, another bee of African origin, is parasitic in nature to other honey bee species. This has decimated the commercial honey bee industry in South Africa after an accidental introduction. It may take as few as "one" female transported by an ocean vessel, aircraft or other means to Tropical South Florida to begin a similar fate as in South Africa. We will be researching morphometrics and DNA markers peculiar to the Cape Bee for early warning survey results on samples collected at Ports and other locations throughout Florida for our continuing surveys.

INSPECTION/MOVEMENT

In the fiscal year 2003-2004, of the 218,089 honey bee colonies maintained by registered beekeepers, 51,019 colonies were inspected from 3,468 apiaries. Compensation of \$5,830.00 was paid to beekeepers for 575 colonies destroyed because of the infestation of American Foulbrood disease. There were 113,826 that moved from Florida into 16 different migratory states.

APIARY INSPECTION SUMMARY

| BEEKEEPER S INSPECTED | COLONIES CERTIFIED | COLONIES INSPECTED | APIARIES INSPECTED | OUT-OF-STATE CERTIFICATE S | VARROA MITE CERTIFICATE S |
|-----------------------|--------------------|--------------------|--------------------|----------------------------|---------------------------|
| 1,611 | 218,088 | 51,019 | 3,468 | 429 | 147 |

AMERICAN FOULBROOD DISEASE REPORT

| HIVES INFESTED | APIARIES INFESTED | HIVES DESTROYED | AMOUNT COMPENSATED | APIARIES RELEASED |
|----------------|-------------------|-----------------|--------------------|-------------------|
| 679 | 100 | 575 | \$5,830.00 | 138 |

**BUREAU OF PLANT AND APIARY INSPECTION - ANNUAL REPORT
JULY 1, 2003 – JUNE 30, 2004**

NEMATODE CERTIFICATION

A total of 7,838 samples were collected from citrus nursery blocks planted, citrus nursery sites approved but not planted, pits and ornamental nurseries for certification during the 2003-2004 fiscal year.

ORNAMENTAL NURSERIES

The presence of certain nematodes in a nursery prevents the certification of plants shipped to California, Arizona, Texas, Louisiana, Bermuda and the European Union (EU) from the infested nursery until corrective measures have been completed and the nursery is sampled negative. During the 2003-2004 Fiscal Year, nematode certification personnel re-evaluated 840 ornamental nurseries and certified 143 new nurseries and nursery blocks consisting of 1192.6 acres, 452.8 acres were added to existing certified ornamental nurseries. During the same period, 42 nurseries or nursery blocks voluntarily relinquished their nematode certification status. Cumulative totals as of June 30, 2004, show 892 ornamental nurseries consisting of 11,132.52 acres eligible for nematode certification.

CITRUS NURSERY BLOCKS PLANTED AND CITRUS SITES APPROVED BUT NOT PLANTED

There were no nematodes of citrus detected in citrus nurseries this year. During the year, 194 inspections were made of citrus nursery sites and soil pits compared to 209 inspections made last year. Two new citrus sites consisting of 0.6 acre were added to the certified total this year. Thirteen citrus nursery blocks and 23 citrus sites approved but not planted were removed from active certification status this year. Cumulative totals as of June 30, 2004, show 87 nematode certified citrus nursery blocks planted consisting of 713.07 acres and 2 nematode certified citrus sites approved but not planted consisting of 0.6 acre.

PITS

There were no nematodes detected in pits this year. During the year, 101 inspections were made of pits compared to 60 inspections made last year. Six new pits consisting of 49.0 acres were added to the certified total this year, 24 pits consisting of 452.85 acres were removed from active certification status this year. Cumulative totals as of June 30, 2004, show 53 nematode approved pits consisting of 1526.3 acres.