

BUREAU OF PLANT & APIARY INSPECTION
Tyson R. Emery | Bureau Chief



ANNUAL REPORT DIVISION OF PLANT INDUSTRY

Dr. Trevor Smith, Director

JULY 1, 2019 – JUNE 30, 2020

FLORIDA DEPARTMENT OF AGRICULTURE AND
CONSUMER SERVICES - DIVISION OF PLANT INDUSTRY
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Florida Department of Agriculture and Consumer Services
Nikki Fried, Commissioner

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PERSONNEL

Tyson Emery	Bureau Chief	Gainesville
Tracy Baumgardner	Office Manager	Gainesville
Jason Stanley	Assistant Chief, Plant Inspection	Gainesville
Cheryl Jones	Assistant Chief, Plant Inspection	Gainesville
Chris Zamora	Assistant Chief, Plant Inspection	Gainesville
Cathy Harrity	Administrative Assistant	Gainesville
Glenda Anderson	Administrative Secretary	Gainesville
Cathy Daniels	Sr. Word Processing System Operator	Gainesville
Terri Hymes	Staff Assistant	Gainesville
Connie Lindsay	Fiscal Assistant	Gainesville
Sara White	Senior Clerk	Inverness
Debra Roush	Staff Assistant	Palmetto
Joey Hawk	Environmental Specialist III	Palmetto

REGION I

Christine Zamora

Environmental Supervisor II

Gainesville

Lucy Furnas

Administrative Secretary

Gainesville

REGION 1 AREA 1

Kelly Douglas

Environmental Supervisor I

Gainesville

Michael McMahan

Environmental Specialist I

Milton

Michael Bentley

Environmental Specialist I

Monticello

Janie Echols

Environmental Specialist I

Glen St. Mary

Tavia Gordon

Environmental Specialist I

Ocala

Sam Hart

Environmental Specialist I

Gainesville

VACANT

Environmental Specialist I

Panama City

Brian Alford

Environmental Specialist I

Gainesville

REGION 1 AREA 2

Abby Bartlett

Environmental Supervisor I

Tavares

Stephen Jenner

Environmental Specialist I

Inverness

VACANT

Environmental Specialist I

Tavares

Harry Morrison

Environmental Specialist I

Tavares

Mary Sellers

Environmental Specialist I

Tavares

Charlie Spriggs

Environmental Specialist I

Tavares

Nora Marquez	Agricultural Technician II	Tavares
Sarah Desmarais	Agricultural Technician II	Tavares
Robert Lawton	Agricultural Technician II	Tavares

REGION 1 AREA 3

Karen Coffey	Environmental Supervisor I	Tavares
Mark Laurint	Environmental Specialist I	Jacksonville
Lisa Tyler	Environmental Specialist I	Jacksonville
Melanie Cain	Environmental Specialist I	Port Orange
VACANT	Environmental Specialist I	Deland
Daniel McColl	Environmental Specialist I	Port Orange
VACANT	Agricultural Technician II	Tavares

REGION II

Serena Stornaiuolo

Environmental Supervisor II

Apopka

Shameeka Burton

Administrative Secretary

Apopka

REGION 2 AREA 1

Anthony Puppelo

Environmental Supervisor I

Apopka

George A. Warden

Environmental Specialist I

Apopka

Lance A. Brown

Environmental Specialist I

Apopka

Jimmy Hernandez

Environmental Specialist I

Apopka

Elizabeth Hoganson

Environmental Specialist I

Apopka

Jesse M. Krok

Environmental Specialist I

Apopka

Kathy A. Gonzalez

Environmental Specialist I

Apopka

Katherine Steinkamp

Environmental Specialist I

Apopka

Jillian Boyar

Environmental Specialist I

Apopka

Nina Vail

Agricultural Technician II

Apopka

Isaiah Pierson

Agricultural Technician II

Apopka

REGION 2 AREA 2

Daniel Merced

Environmental Supervisor I

Dade City

Gary Webb

Environmental Specialist I

Dade City

Carrie Krappe

Environmental Specialist I

Dade City

Karen R. Destefano	Environmental Specialist I	Dade City
Ethan Taylor	Environmental Specialist I	Dade City
Albert L. Wright	Environmental Specialist I	Winter Haven
Jacob Bryan	Environmental Specialist I	Winter Haven
Sara Harper	Environmental Specialist I	Winter Haven
Deanne Pelfry	Agricultural Technician II	Dade City
VACANT	Agricultural Technician II	Dade City

REGION 2 AREA 3

Richard A. White	Environmental Supervisor I	Clearwater
Vacant	Environmental Specialist I	Clearwater
Elizabeth Zuniga	Environmental Specialist I	Clearwater
Louis Castillo	Environmental Specialist I	Clearwater
William J. Salway	Environmental Specialist I	Clearwater
Sammy Lee Campbell	Agricultural Technician II	Clearwater
Vacant	Agricultural Technician II	Clearwater
Philayrach Khousakoun	Agricultural Technician II	Clearwater

REGION 2 AREA 4

Carlos Averhoff-Chirino	Environmental Supervisor I	Ft. Pierce
Dawn Cermak	Environmental Specialist I	Cocoa

Laura Ureta	Environmental Specialist I	Cocoa
Alexander Tasi	Environmental Specialist I	Vero Beach
Jeanie P. Frechette	Environmental Specialist I	Ft. Pierce
Brandy Boisvert	Environmental Specialist I	Vero Beach
Scott D. Berryman	Environmental Specialist I	Avon Park
Richard T. Bloom	Environmental Specialist I	Avon Park
Keith Clanton	Environmental Specialist I	Avon Park
Harry Crocker	Environmental Specialist I	Vero Beach
Teresa Ortelli	Agricultural Technician II	Ft. Pierce

REGION 2 AREA 5

VACANT	Environmental Supervisor I	Clearwater
Lilliam Otero Pujol	Environmental Specialist I	Clearwater
Jason Spiller	Environmental Specialist I	Clearwater
Thomas S. Lastrapes	Environmental Specialist I	Clearwater
Bobbe A. Rose	Environmental Specialist I	Clearwater
Calvin Snyder	Agricultural Technician II	Clearwater

REGION 2 AREA 6

Onanong Saengphaxay	Agricultural Technician II	Clearwater

Tracy Howard	Environmental Supervisor I	Palmetto
Eddie Anderson	Environmental Specialist I	Palmetto
Jennifer Serviss	Environmental Specialist I	Palmetto
Susan B. Youngblood	Environmental Specialist I	Palmetto
Vacant	Environmental Specialist I	Palmetto
Mary Williams	Agricultural Technician II	Palmetto
Brandon Bressler	Agricultural Technician II	Palmetto
Patricia A. Bussell	Agricultural Technician II	Palmetto

REGION 2 AREA 7

Howard L. Wallace	Environmental Supervisor I	Tampa
Ricardo Areingdale	Environmental Specialist I	Tampa
Wangze Yu	Environmental Specialist I	Tampa
Jose L Llanos	Environmental Specialist I	Tampa
William A. Counts	Agricultural Technician II	Tampa
Maria Echevarria-Garcia	Agricultural Technician II	Tampa
Charles G. Davis	Agricultural Technician II	Tampa
Vacant	Agricultural Technician II	Tampa

REGION III

Charlie Gonzalez	Environmental Supervisor II	Miami
Elsie Aviles	Administrative Secretary	Miami

REGION 3 AREA 1

Richard Tordi	Environmental Supervisor I	W. Palm Beach
LeAnn M. West	Environmental Specialist I	Ft. Pierce
Sydney Jimenez	Environmental Specialist I	W. Palm Beach
Matthew Miller	Environmental Specialist I	W. Palm Beach
Bill Churchill	Environmental Specialist I	W. Palm Beach
Eduardo Solis	Environmental Specialist I	Ft. Pierce
James C. Lee	Environmental Specialist I	W. Palm Beach
Morgan Bruhn	Environmental Specialist I	W. Palm Beach
Carlene Sargeant	Environmental Specialist I	Delray Beach
Juan Carlos Ochoa	Environmental Specialist I	Delray Beach
Clarence Parkes	Environmental Specialist I	Delray Beach

REGION 3 AREA 2

Ellen Tannehill	Environmental Supervisor I	Delray Beach
Sallie H. Simmons	Environmental Specialist I	Boynton Beach
J. Keith Harris	Environmental Specialist I	Pompano Beach

Shannan T. Webb	Environmental Specialist I	Pompano Beach
Nury M. Marrone	Environmental Specialist I	Davie
Justin Anto	Environmental Specialist I	Davie
Cristina Urbina	Environmental Specialist I	Davie
Vacant	Environmental Specialist I	Davie
Lane M. Smith	Environmental Specialist I	Delray Beach
Frank A. Burgos	Environmental Specialist I	Davie

REGION 3 AREA 3

Juan Aleman-Martinez	Environmental Supervisor I	Miami Lakes
Rebecca Sanders	Environmental Specialist I	Miami Lakes
Lis Santos-Piloto	Environmental Specialist I	Miami Lakes
Rosie Dulzaides	Environmental Specialist I	Miami Lakes
John M. Piontek	Environmental Specialist I	Miami Lakes
Yarosky Castillo	Environmental Specialist I	Miami Lakes
Ramon Reschop	Agricultural Technician II	Miami Lakes
Elena Kej	Agricultural Technician II	Miami Lakes
Julio Rodriguez	Agricultural Technician II	Miami Lakes
Miguel Hernandez	Agricultural Technician II	Miami Lakes

REGION 3 AREA 4

RosaMaria Quinones	Environmental Supervisor I	Coral Gables
Ciro Milian	Environmental Specialist I	Coral Gables
Vacant	Environmental Specialist I	Florida City
Juan Menendez	Environmental Specialist I	Miami
Angel Colon-Rivera	Environmental Specialist I	Florida City
Suhayla Carrasquilla	Environmental Specialist I	Coral Gables
Eric Rojas	Environmental Specialist I	Coral Gables
Edgardo Luiggi	Agricultural Technician II	Coral Gables
David Buzzi	Agricultural Technician II	Coral Gables

REGION 3 AREA 5

Matthew W. Brodie	Environmental Supervisor I	Naples
Walter W. Golden	Environmental Specialist I	Fort Myers
Mark Terrell	Environmental Specialist I	LaBelle
Scott D. Krueger	Environmental Specialist I	Naples
Richard L. Blaney	Environmental Specialist I	Fort Myers
Mary E. Graham	Environmental Specialist I	LaBelle
Leonora J. Coleman	Environmental Specialist I	Naples
Emily Safran	Environmental Specialist I	Naples
C. David Wolf	Environmental Specialist I	Fort Myers

Edward A. Ziegler	Agricultural Technician II	Naples
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REGION 3 AREA 6

Haydee I. Escobar	Environmental Supervisor I	Coral Gables
Renan Espino Martinez	Environmental Specialist I	Coral Gables
Yenia Perez-Acevedo	Environmental Specialist I	Coral Gables
Narciso Rodriguez Medina	Environmental Specialist I	Coral Gables
Roger Blanco	Environmental Specialist I	Florida City
Hanoy Carmenate	Environmental Specialist I	Coral Gables
Gabriela Blandon Castillo	Agricultural Technician II	Coral Gables
Gloria Gonzalez	Agricultural Technician II	Coral Gables
Cynthia Morales	Agricultural Technician II	Coral Gables
Nubia Tapias	Agricultural Technician II	Coral Gables

APIARY

Brandi Stanford	Assistant Chief, Apiary Inspection	Gainesville
Jose Gill Sanabria	Agriculture & Consumer Protection Supervisor	Gainesville
Jimmy Davis	Agriculture & Consumer Protection Specialist	Milton
Jeff Pippin	Agriculture & Consumer Protection Specialist	Bristol
Stephen Cutts	Agriculture & Consumer Protection Specialist	Trenton
Rob Horsburgh	Agriculture & Consumer Protection Specialist	Jacksonville
Carmen Fraccica	Agriculture & Consumer Protection Supervisor	Dade City
Christopher Alonso	Agriculture & Consumer Protection Specialist	Florida City
Lisa Reynes	Agriculture & Consumer Protection Specialist	Tavares
Glenn Barnett	Agriculture & Consumer Protection Specialist	Winter Haven
Becky Dineen	Agriculture & Consumer Protection Specialist	Clearwater
Fred Howard	Agriculture & Consumer Protection Specialist	Labelle

CARIBBEAN FRUIT FLY CERTIFICATION

Denise V. Marshall	Environmental Specialist III	Ft. Pierce
Marilyn Quigley	Administrative Secretary	Ft. Pierce
Michael Schlueter	Certification Specialist	Ft. Pierce
Barbara J. Scher	Senior Clerk	Ft. Pierce
Lisa A. Whiteman	Agriculture & Consumer Protection Supervisor	Ft. Pierce
John J. Serra	Agriculture & Consumer Protection Inspector	Ft. Pierce
Patrick Armao	Agriculture & Consumer Protection Inspector	Ft. Pierce
Phillip Matheny	Agriculture & Consumer Protection Inspector	Ft. Pierce
Lisa A. Blakey	Agriculture & Consumer Protection Inspector	Labelle
Pat McGill	Agricultural Technician II	Labelle
Paul A. Sinnott	Agriculture & Consumer Protection Supervisor	Ft. Pierce
William S. Blatch	Agricultural Technician III	Ft. Pierce
Ray D. Jordan	Agricultural Technician III	Ft. Pierce
Steven Rish	Agricultural Technician II	Ft. Pierce

John G. Wiggins	Agriculture & Consumer Protection Supervisor	Vero Beach
Justin Haley	Agriculture & Consumer Protection Inspector	Winter Haven
John E. Quigley	Agriculture & Consumer Protection Inspector	Vero Beach
Jonathan Ball	Agriculture & Consumer Protection Inspector	Vero Beach
Ashley Pickett	Agricultural Technician III	Vero Beach
Jessica Lott	Agricultural Technician II	Winter Haven

GIANT AFRICAN LAND SNAIL PROGRAM

Rusty Noah	Environmental Specialist III	Miami
Sherry Steele	Environmental Specialist I	Miami
Julio Rodriguez	Staff Assistant	Miami
Mary Yong-Cong	Biological Scientist IV	Miami
Vacant	Agriculture & Consumer Protection Specialist	Miami
Ernesto Alvarado	Agriculture Technician II	Miami
Carlos Aguilera	Agriculture Technician II	Miami
Carlos Cambana	Agriculture Technician II	Miami
Alvaro Pertuz	Agriculture Technician II	Miami
Edgardo Luiggi	Agriculture Technician II	Miami
Carolina Reece	Agriculture & Consumer Protection Specialist	Miami
Tina Porter	Agriculture Technician II	Miami
Reinaldo Casanas	Agriculture Technician II	Miami
Margarita Diaz	Agriculture Technician II	Miami
Esteban Godinez	Agriculture Technician II	Miami
Robert Shim	Agriculture Technician II	Miami
David Ortiz	Agriculture Technician III	Miami

Travis Thurmond	Agriculture Technician II	Miami

DETECTOR DOG PROGRAM

Marcus Jones	Environmental Specialist III	Miami
Gregg D. Farina	Environmental Specialist II	Apopka
Karen A. Holton	Environmental Specialist II	Tampa
Alina Lorenzo	Environmental Specialist II	Miami
Michael Golub	Environmental Specialist II	Miami
Lorennna Dewitz	Environmental Specialist II	Miami
Nichole Bushue	Environmental Specialist II	Miami

INTERDECTION STATON

Dyrana Russell	Environmental Specialist III	White Springs
Logan Cutts	Environmental Specialist II	White Springs
Eric Dougherty	Environmental Specialist II	Milton
Milton Lara	Agriculture Technician II	Jacksonville
Noah Kolander	Agriculture Technician II	Milton

NURSERIES



8,753

INSPECTIONS ON

8,696

NURSERY LOCATIONS



121

HOLD ORDER AND
QUARANTINE NOTICES

FDACS' Environmental Specialists made 8,753 inspections on 8,696 nursery locations during the 2019-20 season. One hundred twenty-one (121) Hold Order and Quarantine notices were issued to prevent the sale of infected or prohibited plants. These plants were either treated, destroyed, or released once official verification received.

A Certificate of Registration issued by the Division of Plant Industry; is required by any person selling nursery stock in Florida. Nursery stock is defined as "all plants, trees, shrubs, vines, buds, vegetable and field crop plants, flowering annual plants, aquatic plants, corms, tubers, bulbs, liners, cuttings, grafts, and scions thereof, grown or kept for propagation, sale or distribution; EXCEPT seeds, lawn or pasture grasses, cut flowers, cut ferns, and cut foliage (greens) are specifically exempted from nursery stock classification for registration purposes, when apparently free from injurious plant pests.

STOCK DEALERS

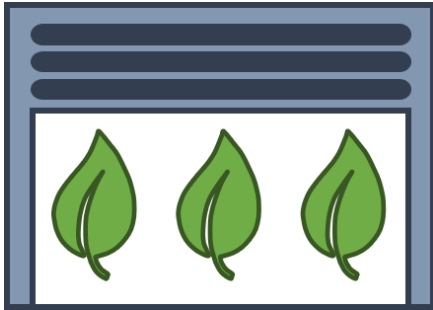


5,049

INSPECTIONS ON

11,009

STOCK DEALER LOCATIONS



FDACS' Environmental Specialists made 5,049 inspections on 11,009 stock dealer locations during the 2019-20 season.

Eighty-two (82) Hold Order and Quarantine notices were issued to prevent the sale of infected or prohibited plants. These plants were either treated, destroyed, or released after being tested in a lab.

An Inspection means; Nursery stock must be inspected by a Plant Protection Specialist of the Division of Plant Industry prior to sale or distribution. (Distribution is defined as the movement of nursery stock from the property where grown or kept to any other property that is not contiguous thereto, regardless of the ownership of the properties concerned.)



82

HOLD ORDER AND
QUARANTINE NOTICES

PLANTS AND NURSERIES UNDER INSPECTION BY COUNTY

COUNTY	TOTAL ACRES	TOTAL PLANTS	TOTAL NURSERY LOCATIONS
ALACHUA	1,084.24	4,481,329.00	194.00
BAKER	98.81	68,720.00	29.00
BAY	6.06	7,370.00	12.00
BRADFORD	8.13	31,588.00	20.00
BREVARD	1,040.42	645,908.00	227.00
BROWARD	905.91	3,204,394.00	526.00
CALHOUN	11.32	2,559,950.00	8.00
CHARLOTTE	247.80	880,978.00	55.00
CITRUS	754.82	230,922.00	80.00
CLAY	24.31	403,639.00	38.00
COLLIER	724.02	112,583,971.00	178.00
COLUMBIA	295.49	1,836,540.00	42.00
DESOTO	599.93	2,226,929.00	40.00
DIXIE	174.16	7,116.00	19.00
DUVAL	731.19	511,500.00	75.00
ESCAMBIA	29.07	3,741,190.00	37.00
FLAGLER	873.71	1,331,690.00	28.00
FRANKLIN	0.35	1,800.00	2.00
GADSDEN	392.09	15,342,134.00	21.00
GILCHRIST	148.73	803,927.00	29.00
GLADES	2,705.00	797,746.00	31.00
GULF	0.56	1,810.00	4.00
HAMILTON	113.53	54,328.00	10.00
HARDEE	1,245.67	5,452,863.00	46.00
HENDRY	609.35	1,521,971.00	45.00
HERNANDO	708.60	414,814.00	84.00
HIGHLANDS	1,392.36	4,310,833.00	123.00
HILLSBOROUGH	1,517.15	17,164,342.00	433.00
HOLMES	1.57	3,175.00	5.00
INDIAN RIVER	1,046.72	322,646.00	85.00
JACKSON	6.95	31,910.00	17.00
JEFFERSON	200.09	2,188,981.00	28.00
LAFAYETTE	183.11	6,599,860.00	8.00
LAKE	3,651.14	45,590,414.00	296.00
LEE	2,426.81	3,420,601.00	357.00
LEON	40.72	98,115.00	40.00

PLANTS AND NURSERIES UNDER INSPECTION BY COUNTY

COUNTY	TOTAL ACRES	TOTAL PLANTS	TOTAL NURSER LOCATIONS
LEVY	1,347.29	10,202,402.00	72.00
LIBERTY	0.37	1,610.00	3.00
MADISON	205.18	19,754,310.00	16.00
MANATEE	590.28	334,822,519.00	148.00
MARION	729.47	990,337.00	172.00
MARTIN	1,614.85	6,915,317.00	159.00
MIAMI-DADE	15,505.79	146,053,713.00	2,234.00
MONROE	18.04	30,680.00	30.00
NASSAU	131.61	15,688.00	15.00
OKALOOSA	9.05	12,496.00	17.00
OKEECHOBEE	3,171.20	211,450.00	41.00
ORANGE	1,487.68	49,145,050.00	389.00
OSCEOLA	309.45	1,699,823.00	69.00
PALM BEACH	13,785.73	23,725,518.00	527.00
PASCO	117.53	970,527.00	131.00
PINELLAS	58.21	250,609.00	187.00
POLK	689.74	8,386,930.00	270.00
PUTNAM	165.45	245,515.00	55.00
SANTA ROSA	435.32	4,884,941.00	40.00
SARASOTA	121.44	4,544,080.00	111.00
SEMINOLE	1,011.90	1,903,631.00	159.00
ST. JOHNS	257.48	686,188.00	59.00
ST. LUCIE	1,571.63	899,049.00	86.00
SUMTER	993.92	50,136,681.00	71.00
SUWANNEE	582.83	12,302,492.00	58.00
TAYLOR	32.03	2,886,672.00	11.00
UNION	70.32	4,644.00	6.00
VOLUSIA	2,428.99	3,909,623.00	259.00
WAKULLA	20.08	322,050.00	8.00
WALTON	3.12	8,355.00	13.00
WASHINGTON	4.91	14,650.00	8.00
TOTALS	71,470.77	924,813,554	8,696

IMPORT FIRE ANT



1,234

NURSERY AND
STOCK DEALER LOCATIONS

6,922 HOURS

IFA ACTIVITIES

Since the introduction of the imported fire ant (IFA) in Florida between 1933 and 1945 it has spread to all counties. There are two species of these IFAs found in Florida. The most common is *Solenopsis invicta* Buren, the red imported fire ant (RIFA) and the less common *Solenopsis geminate* (Fabricius); a native fire ant. As of June 30, 2019, there were 1,234 nursery and stock dealer locations under compliance agreement for Imported Fire Ant certification purposes. During this period, plant inspection personnel spent 6,922 hours associated with IFA activities.

CARIBBEAN FRUIT FLY PROTOCOL PROGRAM

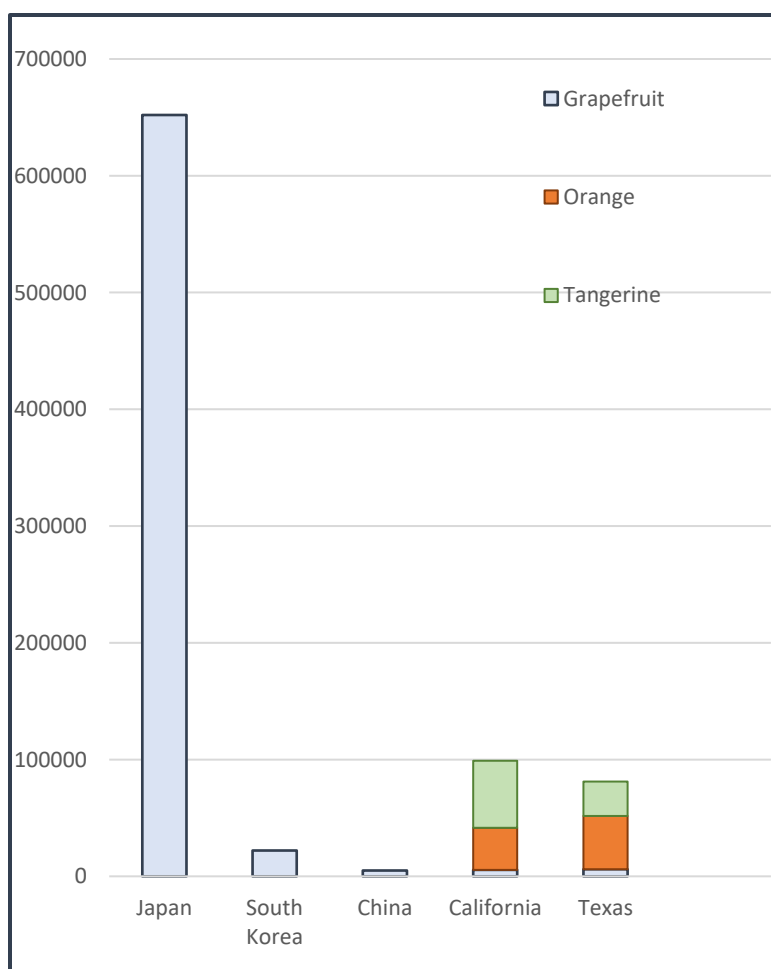
PROTOCOL PROGRAM
42,651 HOURS

Personnel dedicated 42,651 hours to the Protocol Program during the 2019-20 season.

Total Protocol Citrus Shipped 2019 - 2020					
	Japan	South Korea	China	California	Texas
Grapefruit	580,676	245,233	1,260	8,326	541
Orange	0	0	0	23,709	57,779
Tangerine	102	0	0	101,981	39,481
Totals	580,778	245,233	1,260	134,016	97,801

During the 2019-2020 season there were 19,200 acres certified under CFFPP which produced 1,059,088 certified cartons were shipped under the program. A total of 827,271 cartons were exported to Japan, South Korea and China. Domestically 231,817 cartons were shipped to California and Texas.

An experimental load of Orri Tangerines was successfully shipped to Japan for the first time.



During the Fiscal Year 2019-2020, CFFPP personnel conducted the following number of inspections:

- Fruit Fly trap services: 12,510
- Harvesting inspections: 4,818
- Packing house inspections: 631
- Acreage surveyed for preferred hosts: 110,455

CARAMBOLA

During the 2019-2020 season there were 160 acres certified for Texas and California. There were 3,063 cartons shipped to Texas and 66,889 shipped to California for a total of 69,952 cartons.

During the fiscal year 2019-2020, CFFPP personnel conducted the following number of inspections:

- Fruit fly trap services: 578
- Packing house inspections: 36
- Harvesting inspections: 119
- Acreage surveyed for preferred hosts: 680

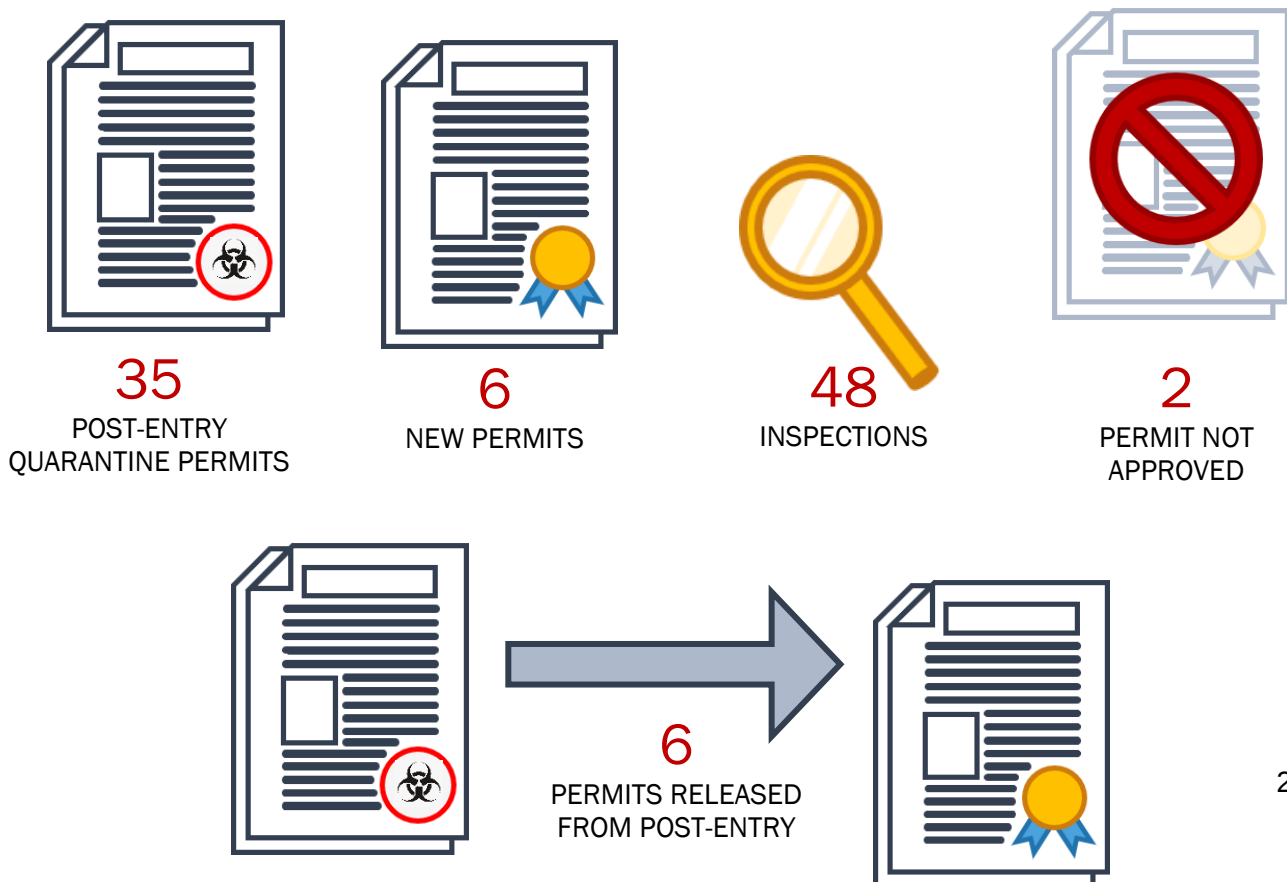
IMPORT INSPECTIONS

Distribution centers, nurseries importing foreign plant material and post-entry quarantine locations are potential high-risk sites for bringing in exotic insect pests and plant pathogens due to the large volume of plant and plant products imported to these sites. Import inspection activities were conducted at high risk locations throughout the state.

These inspections are instrumental in preventing the introduction of exotic insect pests and plant pathogens into the US via Florida.

During the fiscal year 2019-2020:

- Thirty-five active post entry quarantine permits
- Forty-eight inspections conducted
- Six new permits issued
- Two permits not approved
- Six permits released from post-entry

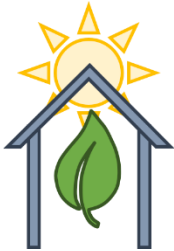


NON-PROHIBITED AQUATIC PLANT HARVESTING PERMITS



5

AQUATIC
HARVESTING
PERMITS



43

ACTIVE
COMPLIANT
NURSERIES

The Division of Plant Industry has regulatory authority of permitting for the importation, transportation, cultivation, collection, sale, or possession of any aquatic plant. Non-prohibited aquatic plant harvesters are now required to be registered as a nursery and sign a compliance agreement/permit to harvest non- prohibited aquatics. For the period of July 1, 2019 to June 30, 2020, the division issued seventeen aquatic harvesting permits. The Division currently has 43 active nurseries under compliance.

ENDANGERED HARVESTING PLANT PERMITS



29

PERMITS ISSUED

2,384

PERMITS ISSUED FOR HARVEST
OF SAW PALMETTO BERRIES

Harvesting Endangered and Commercially Exploited plants requires individuals to have a permit issued by the Division of Plant Industry. During the fiscal year 2019-2020:

29 permits issued

2,384 permits issued for the
harvest of saw palmetto berries

PEST DETECTION RECORDS

PEST RECORDS	ANTHROPODS/MOLLUSCA	DISEASES/NEMATODES
NEW HOST RECORD	27	47
NEW COUNTY RECORDS	142	51
NEW STATE RECORDS	15	23
NEW U.S. CONTINENTAL RECORDS	8	12

NEMATODE CERTIFICATION

1,318

ORNAMENTAL NURSERY
LOCATIONS EVALUATED
CONSISTING OF

20,133

ACRES

12,552 HOURS

NEMATODE CERTIFICATION
ACTIVITIES

12,551

SAMPLES WERE COLLECTED
FOR NEMATODE
CERTIFICATION ACTIVITIES

ORNAMENTAL NURSERIES

Florida nursery stock is regulated for certain nematodes when shipped to California, Arizona, Texas, Louisiana, European Union (EU) and other countries. The Division of Plant Industry has plant inspectors across the state responsible for conducting nematode sampling in order to meet certification requirements. During the 2019-2020 Fiscal Year, nematode certification personnel evaluated 1,318 ornamental nursery locations consisting of 20,133 acres. During this reporting period, plant inspection personnel spent 12,552 hours related to nematode certification activities.

SAMPLES TAKEN

A total of 12,551 samples were collected and processed from citrus nurseries and ornamental nurseries for nematode certification during the 2019-2020 year.

EXPORT CERTIFICATION

5,165

SAMPLES COLLECTED AND
PROCESSED

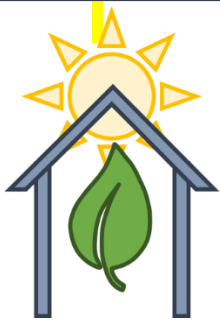


8,040

STATE
PHYTOSANITARY
CERTIFICATES

11,100

FEDERAL
PHYTOSANITARY
CERTIFICATES



130

NURSERY LOCATIONS
UNDER COMPLIANCE

> 564 HOURS

CONDUCTING AUDITS AND
ENSURING COMPLIANCE

44

LOCATIONS CERTIFIES
CONSISTING OF

2,534

ACRES

> 406 HOURS

CERTIFYING FLORIDA
BLUEBERRY FARMS

Export Certification – allows for nurseries and nursery stock dealers to export plants and plant products out of the state and/or country. During the fiscal year 2019-2020, Plant Inspection personnel issued the following number of export certificates for plants and plant products destined to other states and countries.

State Phytosanitary Certificates:
8,040 certificates

Federal Phytosanitary Certificates:
11,100 certificates

Canadian Greenhouse Certification – allows for nurseries to export greenhouse grown plants to Canada based on quarterly inspections using authorized stickers in place of a phytosanitary certificate. We currently have 130 nursery locations under compliance and inspectors have spent over 564 hours conducting audits and ensuring compliance with the program.

Canadian Blueberry Certification – allows for blueberry fruit shipments to enter Canada based on negative trapping surveys for the blueberry maggot using authorized stickers in place of a phytosanitary certificate. During the past fiscal year, we certified 44 locations consisting of 2,534 acres in Florida. Inspectors spent over 400 hours certifying Florida Blueberry farms for fresh fruit shipment to Canada.

GIANT AFRICAN LAND SNAIL

During routine fruit fly monitoring activities, a snail specimen that had been collected by a homeowner in Miami Dade County was provided to a Florida Department of Agriculture and Consumer Services Division of Plant Industry inspector and later identified by DPI, Florida Museum of Natural History and USDA APHIS PPQ taxonomic specialists as *Achatina fulica*, Giant African Land Snail (GALS). The specimen was collected on September 8, 2011 in the City of Miami, Miami-Dade County. Since the initial detection, 168,577 snails have been collected on 719 properties in 32 core areas of infestation.

Sixteen (16) personnel are assigned to the GALS program in Miami-Dade County, Florida. Program activities include four core teams carrying out survey, control, regulatory and outreach in their assigned areas based on positive cores.

There was one meeting with DPI and PQ for Core/Z-grid (paper and field) audits for properties proposed for eradication declaration (Decommission). There was one meeting held during this reporting period on July 29th for core 2, z-grids 6 through 12 for a total of 209 properties reviewed and decommissioned.

Survey and control activities involve biweekly inspections including the mechanical collection of GALS, molluscicides bait applications and debris removal.

As of June 30, 2020, the following was completed by our survey and control teams:

- 233,796 inspections
- 102,581 properties bait treated
- Over 4 million pounds of debris removed
- 168,577 GALS collected

- 2,756 helpline contacts resolved
- 51,664 non-core visual surveys
- 23 cores decommissioned

DETECTOR DOG PROGRAM

A primary objective of this program is to continue safeguarding our nations' food and environmental security through early detection of exotic pests and pathogens that threaten our agricultural production and ecological systems. This program provides the opportunity for early identification and mitigation of plant pests through the use of detector dog technology directed at high risk pathways. We have trained canines deployed at mail/parcel hubs and distribution centers targeting high risk host material.

We currently have four canine teams deployed at parcel facilities, conducting inspection of packages for high risk plants and plant products. Two teams are in Central Florida (Orlando & Tampa) and two teams located in Miami. Teams conduct daily inspections at private mail sort facilities targeting plant pests that may negatively impact Florida agriculture and the food supply. Routine inspections using detector dog technology include detections of fruit, vegetables, plants and plant products mailed from within and into the state of Florida. High-risk target fruit identified through canine alerts include citrus, guava, mango, papaya, and stone fruits including peaches, nectarines, cherries, plums and apricots.

We have two canine teams positioned on the GALS eradication program in Miami. The focus is to assist with early detection of live

GALS on high risk properties. For properties that have been previously positive, the canine teams serve as an additional negative inspection and confirmation that a positive is free of the snails. For helpline calls or new detections, the canines can supplement a thorough survey and help quickly delimit infestations.

In addition to the six canine/handler teams, FDACS-DPI has one program manager headquartered in Miami to supervise the handlers and oversee the detector dog program. The program manager is responsible for conducting annual canine certification, program development and problem solving in all canine inspection areas.

Parcel Facility Over-View

- Total Alerts: 18,191
- Targets Placed: 781
- Detection Accuracy: 98%

Pest of Regulatory Significance Detections

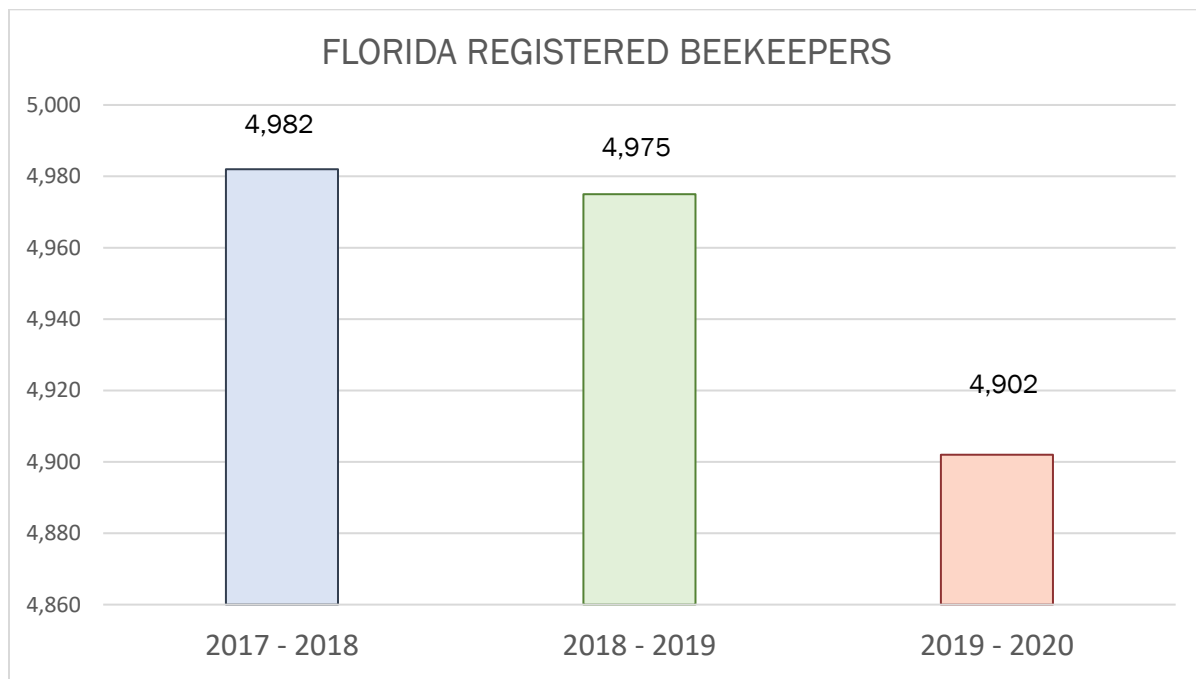
Family	Genus	Species	Common name	# Interceptions
PSYLLIDAE	<i>Acizzia</i>	<i>Sp.</i>	A psyllid	1
PSYLLIDAE	<i>Calophya</i>	<i>schini</i>	A jumping plant louse	6
MIRIDAE	<i>Rhinacloa</i>	<i>fronticornis</i>	Western plant bug	1
THAUMASTOCORIDAE	<i>Thaumastocoris</i>	<i>peregrinus</i>	Bronze bug	1
TOTAL				9

Giant African Land Snail Activities:

- Properties Inspected: 194
- Targets Placed: 266
- Detection Accuracy: 100%

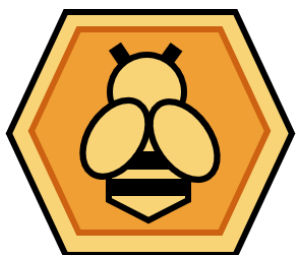


APIARY INSPECTION



2019-2020 Florida Registered Beekeepers: 4,902
 2018-2019 Florida Registered Beekeepers: 4,975
 2017-2018 Florida Registered Beekeepers: 4,982

Although there are numerous challenges within this sector of agriculture, from pest and disease issues to forage loss to pesticide exposures, Florida's beekeeping industry seems to continue its growth spurt. There were 833 new beekeeper registrations processed during this season. This brought Florida's industry to 4,902 registered beekeepers. The Apiary Inspection section was operating at full staff during most of this season. Even still, due to the beekeeper to inspector ratios, we are unable to visit each beekeeper for an annual inspection. Approximately 43% of the registered beekeepers underwent a routine inspection during this season.



635,964
COLONIES



43%
BEEKEEPERS RECEIVED
ROUTINE INSPECTION

FDACS' Agriculture and Consumer Protection Specialists conducted 2,130 routine apiary inspections during the 19-20 season. There were 1,252 permits issued to ship loads of honey bees out of the state, consisting of 482,732 colonies total. There were 244 inspections completed to certify hives destined for California for almond pollination as "ant-free".



2,130

ROUTINE APIARY
INSPECTIONS

244

INSPECTIONS TO
CERTIFY ANT-FREE HIVES

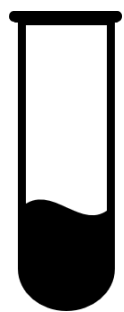


1,252

PERMITS ISSUED FOR
OUT-OF-STATE SHIPMENTS

In addition to providing these services to the beekeeping industry, the apiary inspection team performed follow-up visits for more than 100 calls from the general public regarding nuisance honey bees during the 2019-2020 season.

A Certificate of Beekeeping Registration issued by the Division of Plant Industry is required by any person having honey bee colonies within the state of Florida. Beekeepers are separated into three categories based on the number of colonies they manage: Backyard (1 - 40 colonies), Sideline (41 - 100 colonies), and Commercial (101 or more colonies).



656

SAMPLES COLLECTED
AND SUBMITTED

The apiary inspection team services bait hives at the ports of entry around the state of Florida to capture any unwanted bees or bee pests that may be imported into the state. These inspections are not captured within the routine inspection data but are conducted by each employee with assigned ports every 21-30 days. Additionally, we are a collaborator for the USDA-APHIS National Honey Bee Survey to assess honey bee colony health across the nation. Twenty-four (24) sampling kits are issued to Florida and they are all completed by the apiary inspection team. This cooperation resulted in 656 samples being collected and submitted from Florida.

