

The Florida Senate  
**COMMITTEE MEETING EXPANDED AGENDA**

**AGRICULTURE**  
**Senator Perry, Chair**  
**Senator Rader, Vice Chair**

**MEETING DATE:** Monday, January 23, 2017

**TIME:** 4:00—6:00 p.m.

**PLACE:** 301 Senate Office Building

**MEMBERS:** Senator Perry, Chair; Senator Rader, Vice Chair; Senators Grimsley, Powell, and Steube

| TAB                             | BILL NO. and INTRODUCER  | BILL DESCRIPTION and<br>SENATE COMMITTEE ACTIONS | COMMITTEE ACTION |
|---------------------------------|--|--|------------------|
| 1                               | Introduction of committee members and staff  |  | Discussed        |
| 2                               | Overview of the Department of Agriculture and Consumer Services, including an in-depth review of the Division of Plant Industry, Florida Fire Service, and Office of Agricultural Water Policy |  | Presented        |
| Other Related Meeting Documents |  |  |                  |

# DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES

ADAM H. PUTNAM, COMMISSIONER

Senate Agriculture Committee  
Senator Keith Perry, Chair

Department Overview  
January 23, 2017



# Florida Department of Agriculture and Consumer Services

## **Mission**

Safeguard the Public and  
Support Florida's Agricultural Economy

## **Goals**

- Strengthen Florida Agriculture to Meet the Needs of the World's Growing Population
- Safeguard the Well-being of Florida Residents and Visitors
- Manage Natural Resources to Support Quality of Life
- Prevent and Respond to Pests, Disease and Disaster
- Exceed Expectations in Service



# Divisions and Offices

The Florida Department of Agriculture and Consumer Services (FDACS) has 18 divisions and offices dedicated to providing services to the citizens of the state and administering the statutes enacted by the Florida Legislature. Those divisions and offices under the purview of the Senate Agriculture Committee are:

- Agricultural Environmental Services
- Animal Industry
- Aquaculture
- Florida Forest Service
- Food, Nutrition and Wellness
- Food Safety
- Fruit and Vegetable
- Agricultural Law Enforcement
- Marketing and Development
- Plant Industry
- Agricultural Water Policy

## **Other Divisions and Offices not under the purview of this committee**

Consumer Services

Licensing

Energy

Administration

Agriculture Technology Services

General Counsel

Policy and Budget



# Agricultural Environmental Services

**Mission:** To protect agriculture, the public, and the environment from unsafe and unethical products and services used for agricultural production or for managing pests.

- Feed
- Seed
- Fertilizer
- Pesticides
- Mosquito Control
- Pest Control
- Emergency Response



# Animal Industry

**Mission:** To serve as the guardian of the health of Florida's livestock and poultry industries and other animal populations.

- Surveillance
- Control & Eradicate Diseases
- Coordinate with Wildlife and Public Health Officials
- Rapid & Accurate Diagnostic Services
- Emergency Response



# Aquaculture

**Mission:**  
Supporting  
aquaculture  
production and  
growth for  
economic  
development  
while protecting  
the environment.

- Provide Technical Assistance
- Water Quality Monitoring
- Oyster Reef Restoration
- Assess Resources



# Food, Nutrition and Wellness

**Mission:** To ensure that every child in Florida has access to a nutritious meal that is full of fresh fruits and vegetables and is educated on the importance of making healthy choices through outreach, partnerships, education, and oversight to ensure quality and compliance, training and technical assistance.

- National School Lunch Program
- School Breakfast Program
- After School Snack
- Summer Food Services Program
- Farm to School





# Food Safety

**Mission:** To assure the public of a safe, wholesome and properly represented food supply.

Division staff proactively monitor food from farm gate through processing and distribution to the retail point of purchase.

- Food Establishment Inspections
  - Manufacturers, Processors, Distributors, Retailers
- Laboratories
  - Only state lab fully devoted to food safety analysis
  - Focus is on microbiological and pesticide contamination



# Fruit and Vegetables

**Mission:** To meet the needs of Florida's fruit and vegetables industries through fiscally responsible quality assurance and technical assistance services.

- Inspects
  - Citrus
  - Peanuts
  - Tomatoes
  - Avocados
  - Potatoes
- Implements the Tomato Good Agricultural Practices program on farms and in packing houses
- Verifies “grade” and condition of produce received by buyers (brokers)



# Agricultural Law Enforcement

**Mission:** To enforce laws which threaten the overall security and safety of the state's agriculture industry.

- AgLaw manages 23 agricultural interdiction stations
- Enforce civil and criminal laws on property owned, managed by the department (state forests, FDACS facilities, etc.) and any criminal violation involving farms or farm equipment, animals/livestock, poultry, horticulture, aquaculture or citrus products.
- Agricultural Emergency Preparedness
- Consumer Services—regulated business violations
- Florida's Domestic Marijuana Eradication Program



# Marketing and Development

**Mission:** To drive awareness and sales of Florida's commodities by developing and expanding marketing opportunities for Fresh from Florida products and to ensure fair trade practices to reduce financial risk to the state's agribusiness community.

- **Fresh From Florida**
- **Marketing, Trade and Promotion**
- **Awareness**
  - **Chef and Culinary Ambassador**
  - **Children, Parents and Minority Groups**
- **Preserving Agriculture's Legacy & Advocating its Future**



# Plant Industry

**Mission:** To protect Florida's native and commercially grown plants and the state's apiary industry from harmful pests and diseases

- First Line of Defense
- Exotic Invasives
- Fruit Fly Eradication
- Citrus Health Response Program
- Honeybee hive location, managed beekeeping
- Outreach
- Natural Solutions

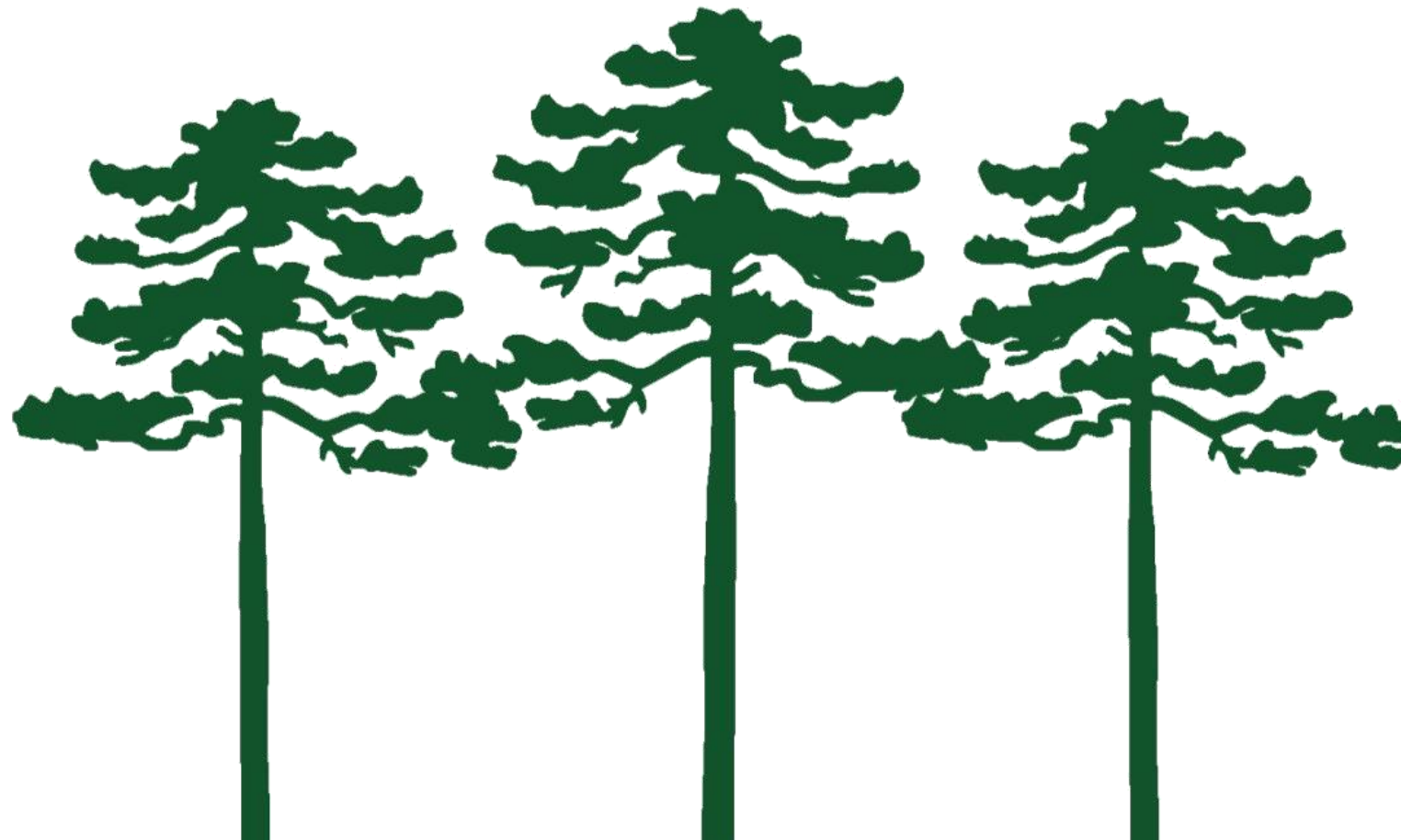


# Agricultural Water Policy

**Mission:** To help ensure the future of Florida Agriculture while preserving the state's natural resources

- Water Supply
- Mobile Irrigation Labs
- Water Quality Criteria
- Best Management Practices
- Regulatory Streamlining





# Fire Season Forecast

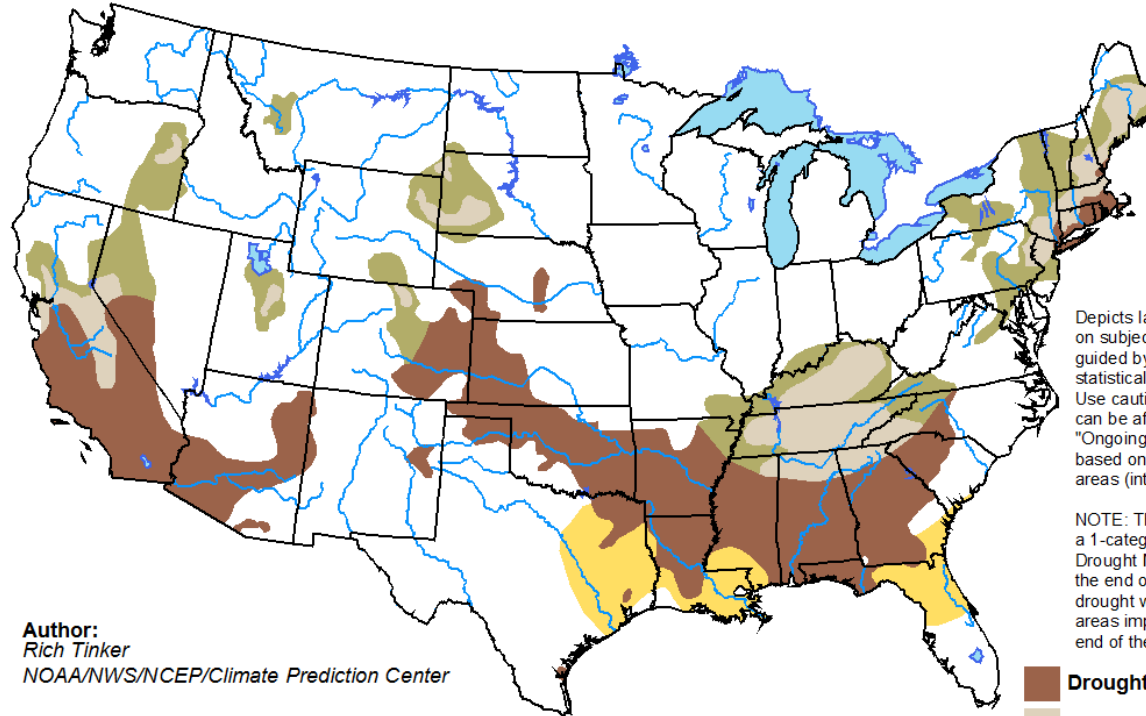
January – June 2017



# Drought Forecast

## U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for December 15 - March 31, 2017  
Released December 15, 2016



Author:  
Rich Tinker  
NOAA/NWS/NCEP/Climate Prediction Center

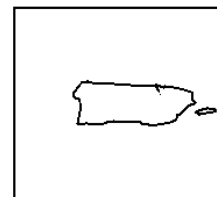
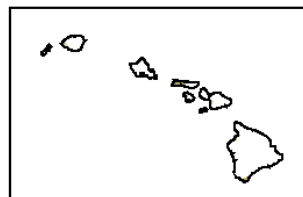
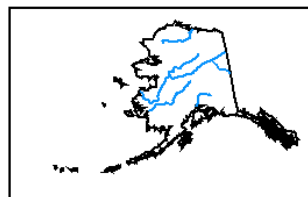
Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

- Drought persists
- Drought remains but improves
- Drought removal likely
- Drought development likely

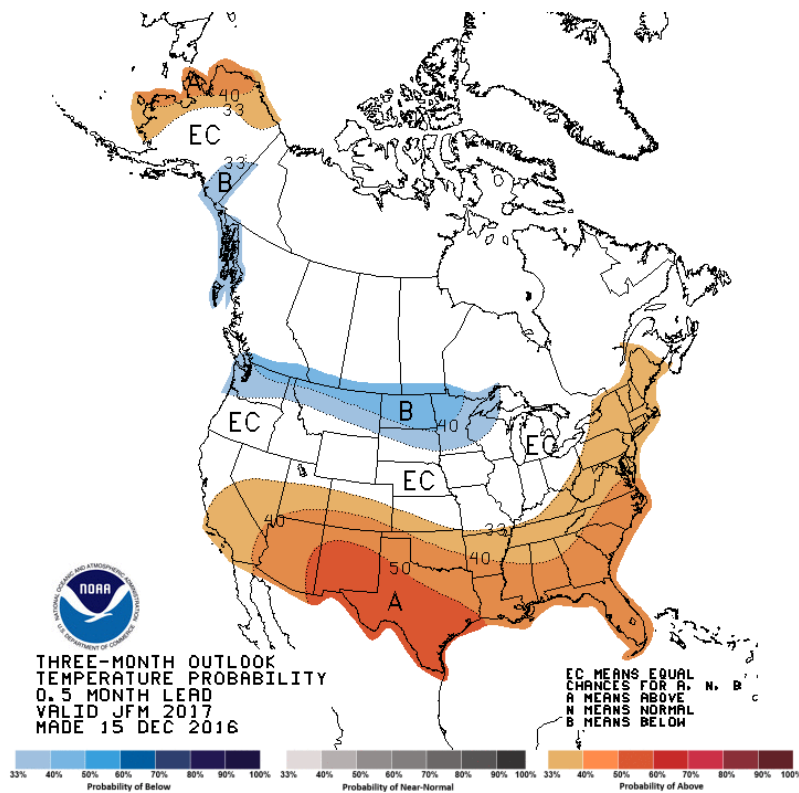


<http://go.usa.gov/3eZ73>

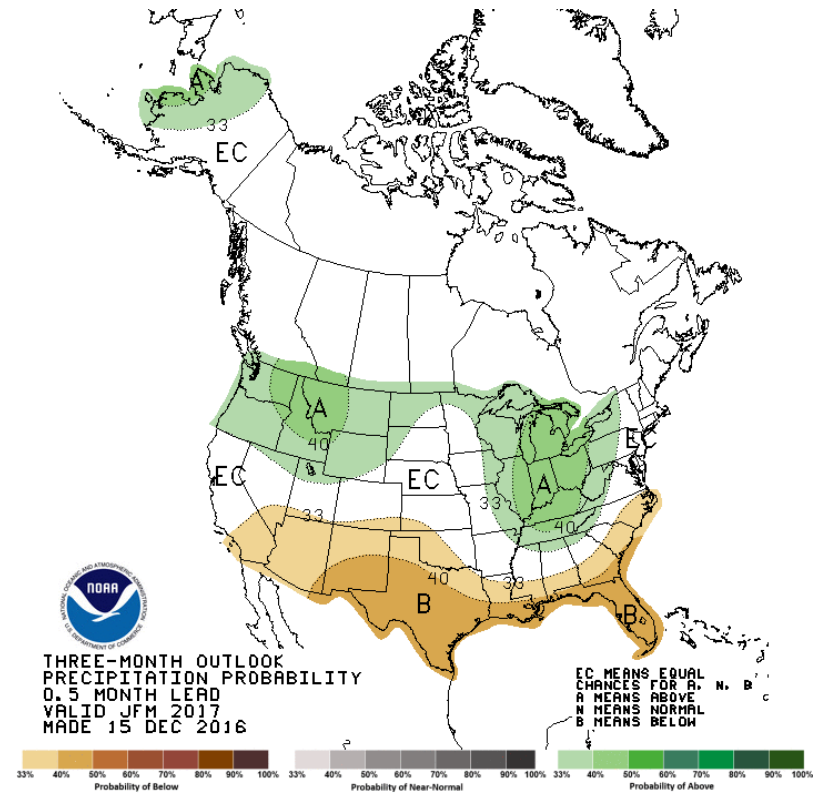




# January through March 2017



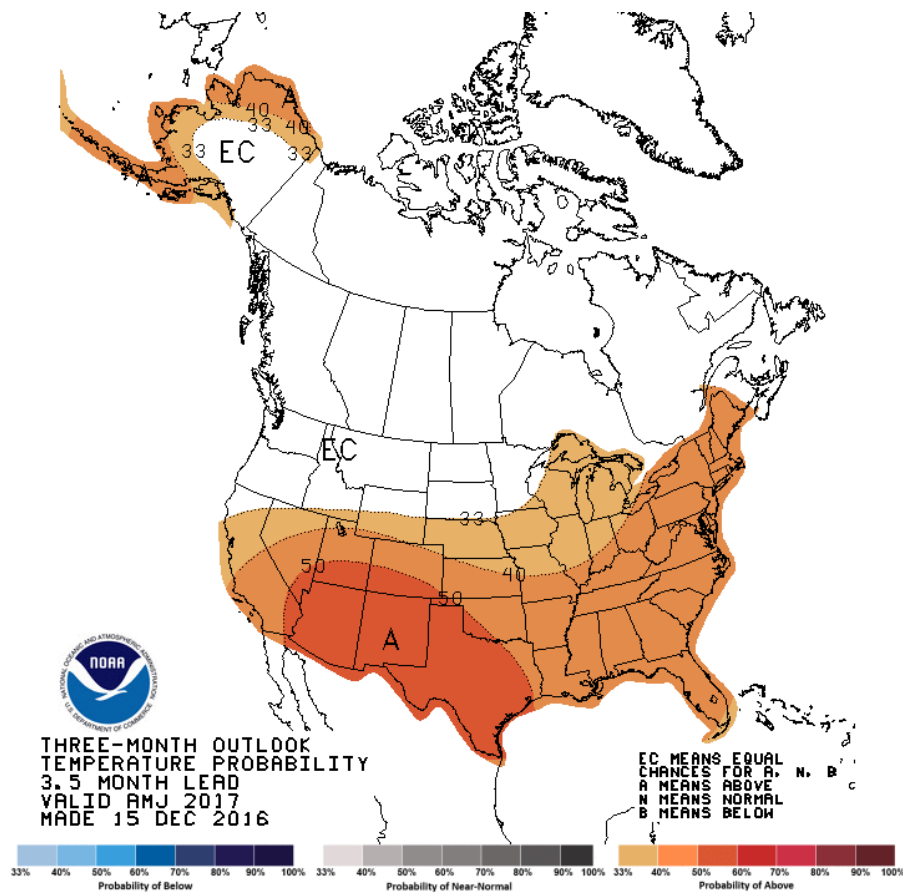
Hotter than normal



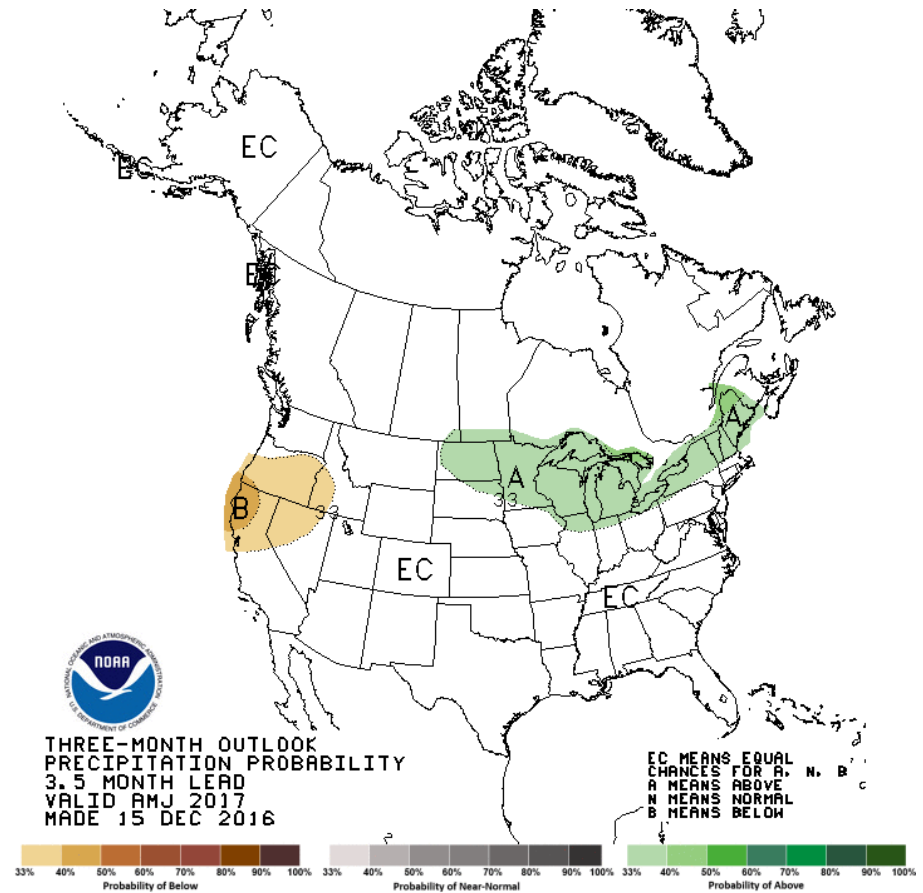
Drier than normal



# April through June 2017



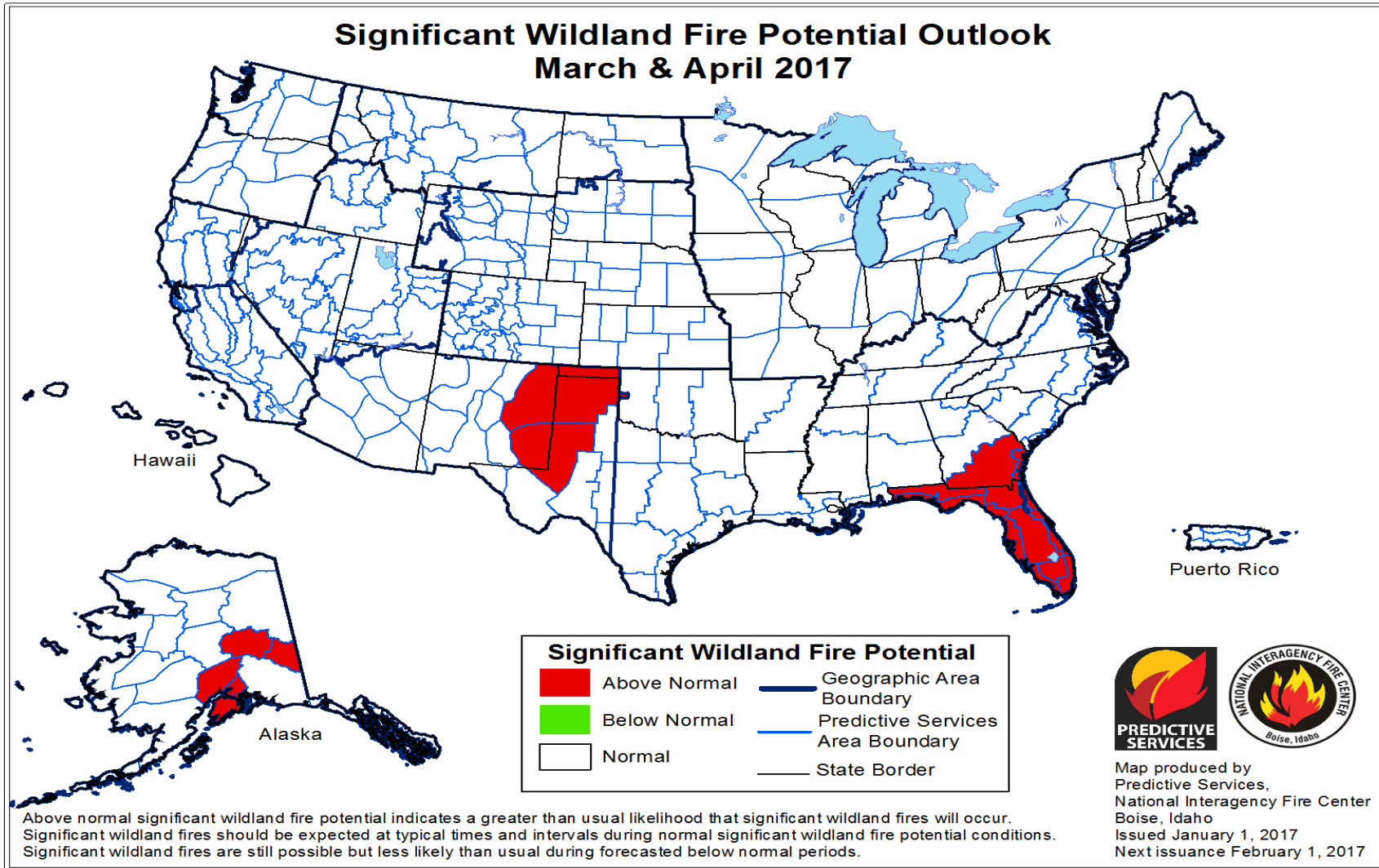
Hotter than normal



Typically our dry  
season



# Wildfire Potential



# Fire Season Influences

- La Niña – expected to last through March bringing hot and dry conditions with April and May routinely being some of our driest months.
- Increasing drought conditions will limit prescribed burning operations.
- Current drought conditions are increasing across the state making more vegetation available to burn
- Cold fronts bringing freezing conditions resulting in frost killed vegetation that burns readily.



# Office of Agricultural Water Policy

- **Develop/Adopt Best Management Practices (BMPs)**
  - Address both water quality and water conservation
  - Research conducted to validate effectiveness
  - Economically and technically feasible
- **Some BMPs eligible for cost share**
- **Field Representatives enroll producers, provide technical assistance**
- **Work cooperatively with:**
  - Agricultural producers and industry groups
  - Department of Environmental Protection
  - State University System
  - Five water management districts
  - Other stakeholders

- Established in 1995
- Lead for water quantity and water quality issues involving agriculture



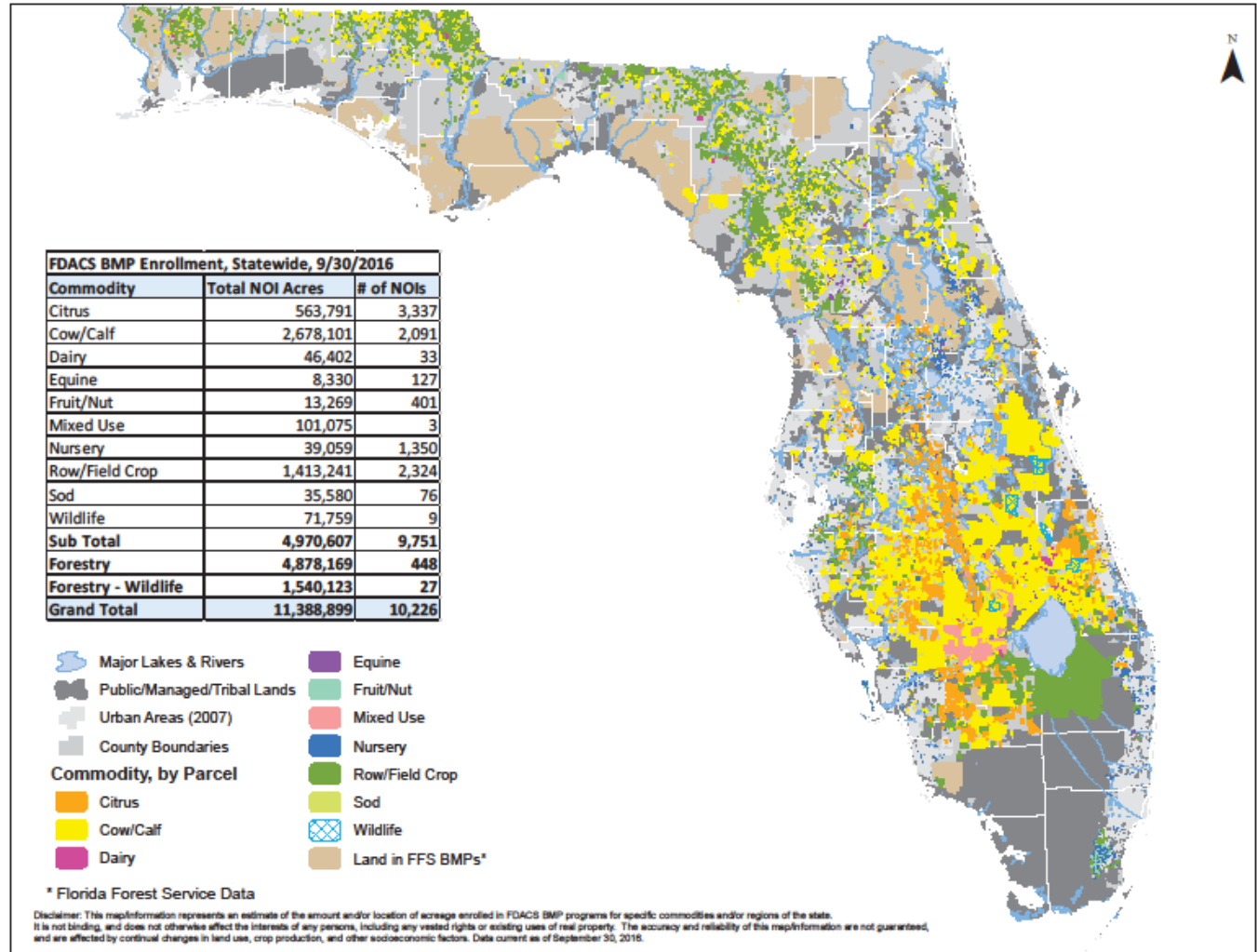


# Office of Agricultural Water Policy

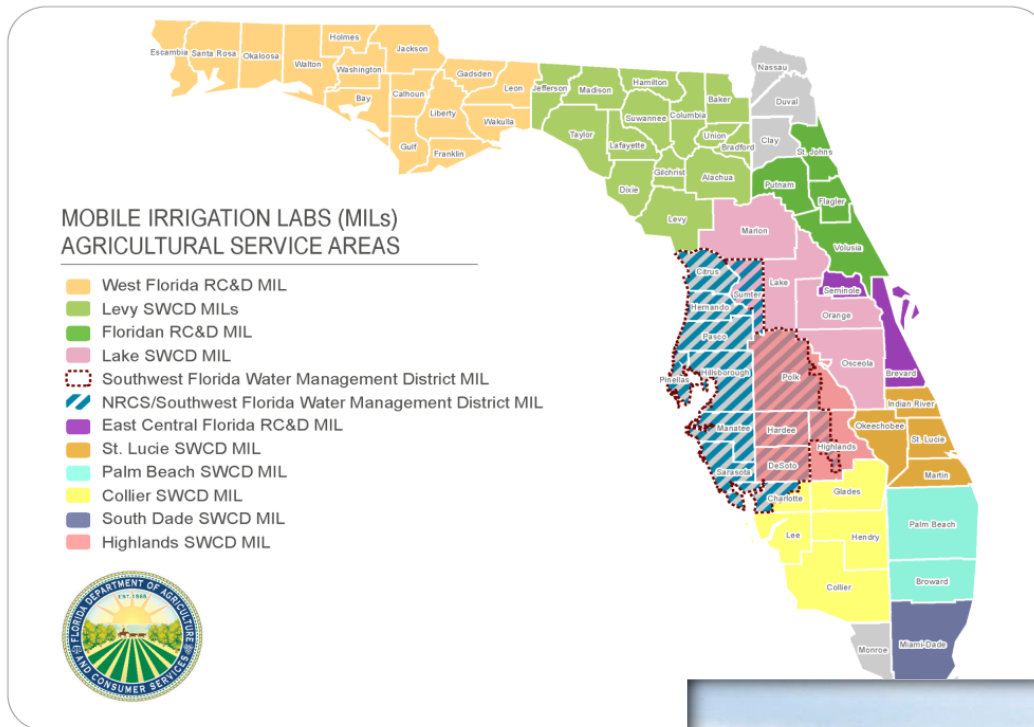
## Best Management Practices (BMPs)

### Enrollment status

- Nine BMP Manuals
- About 10,000 enrollments covering more than 50 percent of ag land (excluding forestry)
- 33,000+ Discrete Parcels



# Mobile Irrigation Labs - MILs



## Twelve MILs Ag Service Areas

- Evaluate irrigation system performance
- Make recommendations for improvements
- 6,000 evaluations since 2009
- Track potential and actual water savings

More than **seven billion** gallons/year actual water savings due to implemented recommendations



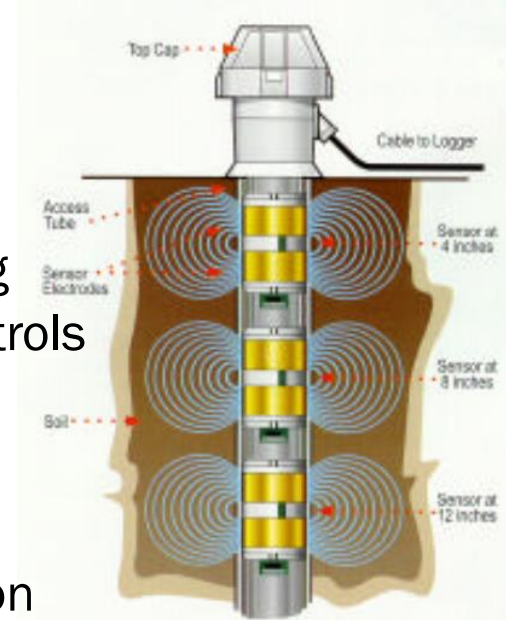


# Irrigation Management



## Soil moisture sensors (SMS)

- Connected to recording system/automated controls
- Irrigation decision management service
- Minimizes over irrigation and nutrient leaching





# Florida: A Paradise for Pests



# What We Do to Prevent Fruit Fly Establishment

**FDACS partners with USDA on:**

## **Statewide trapping program**

Monitor 56,000 fruit fly traps statewide – checked every 2 to 3 weeks

## **Sterile Fruit Fly Release Program**

Sterile Mediterranean fruit flies released on Florida's gold coast – Miami-Dade into Palm Beach County and in the Tampa Bay area:

84 million sterile flies released per week

58 billion released since program inception





# Tools of an Eradication Program

- **Methyl Eugenol traps**

- **Traps** checked daily until 0 flies are detected seven days in a row. Then traps will be checked weekly.



**Methyl eugenol trap**  
Attracts male flies

- **McPhail traps**

- **Traps** checked every 3 days

**McPhail trap**  
Attracts female flies



# Citrus Pests and Diseases



Citrus leaf miner  
damage  
Citrus leaf miner  
insect

Damaged leaves  
allow diseases  
such as citrus  
canker to infect  
trees



Citrus canker  
Bacterial disease spread by  
wind and rain



Citrus greening  
Asian citrus psyllids  
(ACP)  
Bacterial disease  
spread by ACP



Citrus black spot  
Fungal disease spread by wind





# Giant African Land Snail Eradication Program

**Major landscape and agricultural pest**

**Public health threat – carries rat lungworm parasite**

**Eats stucco**

**Able to reproduce rapidly**

**No natural enemies**



# Management Approach

- **‘Boots on Ground’ control approach**
  - ✓ Survey
  - ✓ Hand collect snails
  - ✓ Treat properties with EPA-approved insecticide added to a snail bait product (Metaldehyde)
  - ✓ Collect and dispose of debris
  - ✓ Detector dogs on duty!

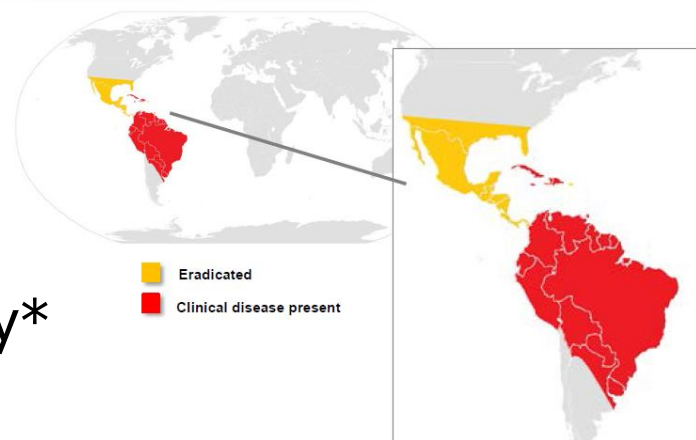






# Screwworm Outbreak Florida Keys

- *Cochliomyia hominivorax* (New World Screwworm)
- Foreign Animal Pest
- Can be devastating to livestock and wildlife
- Can infest humans
- Eradicated from the U.S. in 1966
- Currently in most South American countries and five Caribbean islands
- Estimated cost benefit of U.S. screwworm freedom is \$4.46 billion annually\*



\*Wyss, John H. Screwworm Eradication in the Americas, Conf. OIE 2000, 239-244 (numbers adjusted for inflation)

# Screwworm Outbreak

- **Confirmed diagnosis in Lower Keys. Began multiagency response October 3**

- Extensive education and outreach
- Interdiction station at Mile Marker 106
  - >10,000 animals have been inspected
- Sterile Fly Release-Began October 11
  - To date > 80 million flies have been released
- Treatment of Key deer
- Last positive case was 1/5/17
- 8 domestic animals and 135 key deer have been infested



- **Thirteen islands in the Lower Keys are known to be infested**





# Zika Virus

## Zoonotic Diseases

- **Collaborate with our human health counterparts-One Health**

- Emerging diseases – 70% zoonotic\*
  - Flu viruses, West Nile Virus, Ebola Virus, Middle Eastern Respiratory Syndrome (MERS)...



- **Zika**

- Zoonotic-Birth defects, other neurological effects
- Bronson Animal Disease Diagnostic Laboratory (BADDL)-Testing mosquito samples for the virus
- > 78,000 mosquitoes have been tested from 35 counties
- 8 positive pools-Miami-Dade
- Assists with response efforts



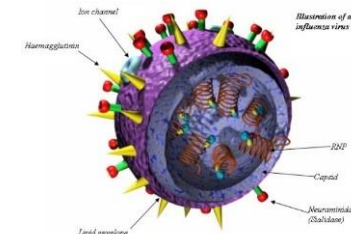
- **Other zoonotic diseases-Dengue, EEE, WNV, TB, Rabies, others**



\*Emerging Infectious Diseases, 2004 Nov; 10(11): e28.

# Highly Pathogenic Avian Influenza (HPAI)

- **Foreign Animal Disease that can be devastating to poultry**
  - > 90% mortality
  - Some strains can cause human illness – possible pandemics
- **Several strains are circulating in domestic poultry located in Asia, Europe and Africa**
  - H5N8 strain-More contagious than 2015
  - Also killing waterfowl
- **The 2015 domestic HPAI outbreak cost estimated \$1 billion\***
  - Deemed the worst agricultural disaster in decades by USDA
  - 50 million birds euthanized
  - Approximately 10% U.S. laying hens and 7.4% of turkeys
  - 50 countries placed restrictions on U.S. poultry exports



\* USDA, Highly Pathogenic Avian Influenza Outbreak ,  
Weekly National Situation Report, September 18, 2015



# Bronson Animal Disease Diagnostic Laboratory (BADDL)

## Protecting Animal and Human Health

### Florida's only accredited animal diagnostic lab

- American Association of Veterinary Laboratory Diagnosticians (AAVLD)

### Florida's only lab approved through the USDA's National Animal Health Laboratory Network (NAHLN)

- Approved to perform high risk disease testing
- HPAI, West Nile Virus, Foot and Mouth Disease, Chronic Wasting Disease

### Vitally important for protecting Florida's agricultural industry

### Recent Initiatives

- Hired consummate laboratory director
- Improved customer service
- Added more than 25 new tests
- Improved quality control
- One Health Testing
  - Zika, Dengue, Rabies, West Nile Virus, HPAI





# QUESTIONS?

DEPARTMENT OF AGRICULTURE  
AND CONSUMER SERVICES

**ADAM H. PUTNAM, COMMISSIONER**

Department Overview  
January 23, 2017

Grace Lovett, Director  
Office of Legislative Affairs  
850.617.7700  
Grace.Lovett @freshfromflorida.com



THE FLORIDA SENATE  
**APPEARANCE RECORD**

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

Jan. 23, 2017  
Meeting Date

Topic Dept. of Agriculture + Consumer Services

Bill Number N/A  
(if applicable)

Name Grace Lovett

Amendment Barcode \_\_\_\_\_  
(if applicable)

Job Title Dir. Legislative Affairs

Address PL 10 The Capitol  
Street  
Tallahassee FL 32399  
City State Zip

Phone 850 617-7700

E-mail grace.lovett@freshfromfloridah.com

Speaking: ☐ For ☐ Against ☒ Information

Representing FDACS

Appearing at request of Chair: ☒ Yes ☐ No

Lobbyist registered with Legislature: ☒ Yes ☐ No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

**This form is part of the public record for this meeting.**

S-001 (10/20/11)

✓

THE FLORIDA SENATE

APPEARANCE RECORD

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/23/17

Meeting Date

Topic

Ag - Florida Forest Service

Bill Number

(if applicable)

Name

Jim Karels

Amendment Barcode

(if applicable)

Job Title

Director - State Forester

Address

Street

Phone

850-681-5800

City

State

Zip

E-mail

Jim.Karels@FreshFromFlorida.com

Speaking:

☐ For

☐ Against

☒ Information

Representing

Appearing at request of Chair:

☒ Yes

☐ No

Lobbyist registered with Legislature:

☐ Yes

☒ No

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**THE FLORIDA SENATE**  
**APPEARANCE RECORD**

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1-23-17

*Meeting Date*

Topic Department Overview

Bill Number \_\_\_\_\_  
(if applicable)

Name David Cambron

Amendment Barcode \_\_\_\_\_  
(if applicable)

Job Title Environmental Manager, Ag Water Policy

Address 401 South Monroe Street  
*Street*  
Tallahassee FL 32399  
*City* *State* *Zip*

Phone 850 617 7000

E-mail \_\_\_\_\_

Speaking: ☐ For ☐ Against ☒ Information

Representing Fl. Dept. of Agriculture and consumer services

Appearing at request of Chair: ☒ Yes ☐ No

Lobbyist registered with Legislature: ☐ Yes ☒ No

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S-001 (10/20/11)

THE FLORIDA SENATE

APPEARANCE RECORD

1/23/2017

Meeting Date

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

Topic Florida Department of Ag + Consumer Bill Number \_\_\_\_\_  
(if applicable)

Name Trevor Smith Amendment Barcode \_\_\_\_\_  
(if applicable)

Job Title Director

Address 1911 SW 34th St. Phone (352) 395-4629  
Street

Gainesville FL 32608  
City State Zip

E-mail \_\_\_\_\_

Speaking: ☐ For ☐ Against ☒ Information

Representing \_\_\_\_\_

Appearing at request of Chair: ☒ Yes ☐ No

Lobbyist registered with Legislature: ☐ Yes ☒ No

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S-001 (10/20/11)



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**THE FLORIDA SENATE**  
**APPEARANCE RECORD**

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

1/23/17

Meeting Date

Topic FLORIDA DEPARTMENT OF AGRICULTURE AND  
CONSUMER SERVICES OVERVIEW

Bill Number \_\_\_\_\_  
(if applicable)

Name Michael Short

Amendment Barcode \_\_\_\_\_  
(if applicable)

Job Title STATE VETERINARIAN / DIRECTOR - DIVISION OF  
ANIMAL INDUSTRY

Address 407 S. CALHOUN ST.  
Street

Phone 850-410-0900

TALLAHASSEE, FL 32312  
City State Zip

E-mail Michael.Short@FreshFrom  
Florida.com

Speaking: ☐ For ☐ Against ☒ Information

Representing FDACS / DIVISION OF ANIMAL INDUSTRY

Appearing at request of Chair: ☒ Yes ☐ No

Lobbyist registered with Legislature: ☐ Yes ☒ No

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S-001 (10/20/11)

✓

**THE FLORIDA SENATE**  
**APPEARANCE RECORD**

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1/23/17

Meeting Date

Topic Department Overview

Bill Number \_\_\_\_\_  
(if applicable)

Name STEVEN DWYER

Amendment Barcode \_\_\_\_\_  
(if applicable)

Job Title Director, Office of Agriculture Policy

Address 401 S MONROE ST

Phone 850-617-1704

Street

TALL FL 32399

City

State

Zip

E-mail STEVEN.DWYER@fla.senate.gov

Speaking: ☐ For ☐ Against ☒ Information

Representing FL Dept. of Ag. & Cons. Serv.

Appearing at request of Chair: ☒ Yes ☐ No

Lobbyist registered with Legislature: ☐ Yes ☒ No

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S-001 (10/20/11)



# THE FLORIDA SENATE

Tallahassee, Florida 32399-1100

**COMMITTEES:**

Appropriations Subcommittee on General  
Government, *Chair*  
Ethics and Elections, *Vice Chair*  
Agriculture  
Appropriations  
Appropriations Subcommittee on Pre-K - 12  
Education  
Governmental Oversight and Accountability

**SELECT COMMITTEE:**

Joint Select Committee on Collective Bargaining

**SENATOR DENISE GRIMSLEY**

26th District

January 23, 2017

The Honorable Keith Perry  
Chairman, Agriculture Committee  
335 Knott Building  
404 South Monroe Street  
Tallahassee, FL 32399-1100

Dear Chairman Perry:

I am respectfully requesting permission to be excused from the Agriculture Committee meeting today, January, 23<sup>rd</sup>, 2017, due to my flight being diverted and circumstances beyond my control.

Sincerely,

A handwritten signature in black ink that reads "Denise Grimsley". The signature is written in a cursive, flowing style.

Denise Grimsley  
State Senate, District 26

**REPLY TO:**

- ☐ 295 E. Interlake Boulevard, Lake Placid, Florida 33852 (863) 465-2626
- ☐ 212 East Stuart Avenue, Lake Wales, Florida 33853 (863) 679-4847
- ☐ 413 Senate Office Building, 404 South Monroe Street, Tallahassee, Florida 32399-1100 (850) 487-5026

Senate's Website: [www.flsenate.gov](http://www.flsenate.gov)

**JOE NEGRON**  
President of the Senate

**ANITERE FLORES**  
President Pro Tempore

# CourtSmart Tag Report

**Room:** SB 301  
**Caption:** Senate Agriculture

**Case No.:**  
**Judge:**

**Type:**

**Started:** 1/23/2017 4:00:27 PM

**Ends:** 1/23/2017 5:11:28 PM

**Length:** 01:11:02

|            |   |
|------------|---|
| 4:00:36 PM | Call to Order   |
| 4:00:42 PM | Roll Call   |
| 4:01:28 PM | Introduction of Committee Members and Staff   |
| 4:04:41 PM | Overview of the Department of Agriculture and Consumer Services                             |
| 4:05:02 PM | Grace Lovett, Dir. Of Legislative Affairs, FL. Dept. of Agriculture and Consumer Services   |
| 4:10:52 PM | Aquaculture Overview  |
| 4:12:33 PM | Food, Nutrition, and Wellness Overview  |
| 4:13:30 PM | Food Safety Overview  |
| 4:15:46 PM | Fruit and Vegetables Overview   |
| 4:16:56 PM | Agricultural Law Enforcement  |
| 4:17:59 PM | Marketing and Development Overview  |
| 4:19:00 PM | Plant Industry Overview   |
| 4:19:58 PM | Agricultural Water Policy Overview  |
| 4:20:52 PM | Fire Season Forecast Overview   |
| 4:21:42 PM | Jim Karels \u8211? Director, State Forester, Florida Forest Service                         |
| 4:23:26 PM | Drought Forecast  |
| 4:26:16 PM | Wildfire Potential  |
| 4:26:58 PM | Fire Season Influences  |
| 4:29:51 PM | Question - Sen. Rader   |
| 4:30:16 PM | Response - Jim Karels   |
| 4:31:22 PM | Follow up - Sen. Rader  |
| 4:32:07 PM | Response - Jim Karels   |
| 4:33:02 PM | Question - Chairman Perry   |
| 4:33:25 PM | Response - Jim Karels   |
| 4:34:29 PM | Office of Agricultural Water Policy Overview  |
| 4:34:30 PM | David Cambron \u8211? Environmental Manager, FL. Dept. of Agriculture and Consumer Services |
| 4:36:45 PM | Best Management Practices   |
| 4:37:38 PM | Mobile Irrigation Labs  |
| 4:38:40 PM | Irrigation Management   |
| 4:40:05 PM | Question - Sen. Powell  |
| 4:40:23 PM | Response - David Cambron  |
| 4:41:02 PM | Follow up - Sen. Powell   |
| 4:41:14 PM | Response - David Cambron  |
| 4:42:30 PM | Question - Sen. Rader   |
| 4:42:58 PM | Response - David Cambron  |
| 4:43:45 PM | Response - Steven Dwinell \u8211? Director, FL. Dept. of Agriculture and Consumer Services  |
| 4:45:54 PM | Follow up - Sen. Rader  |
| 4:46:05 PM | Response - Steven Dwinell   |
| 4:46:45 PM | Florida : A Paradise for Pests  |
| 4:46:50 PM | Trevor Smith \u8211? Director, FL. Dept. of Agriculture and Consumer Services               |
| 4:47:38 PM | What We Do to Prevent Fruit Fly Establishment   |
| 4:49:17 PM | Tools of an Eradication Program   |
| 4:49:44 PM | Citrus Pests and Diseases   |
| 4:50:56 PM | Giant African Land Snail Eradication Program  |
| 4:51:32 PM | Management Approach   |
| 4:53:06 PM | Question - Sen. Powell  |
| 4:53:10 PM | Response - Trevor Smith   |
| 4:54:00 PM | Question - Chairman Perry   |
| 4:54:14 PM | Response - Trevor Smith   |
| 4:54:52 PM | Follow up - Chairman Perry  |
| 4:54:58 PM | Response - Trevor Smith   |
| 4:55:25 PM | Question - Sen. Rader   |

**4:55:31 PM** Response - Trevor Smith  
**4:57:12 PM** Screwworm Outbreak Florida Keys  
**4:57:21 PM** Mickael Short State Veterinarian/Dir. Of Division of Animal Industry, FL. Dept. of Agricultu  
**5:02:08 PM** Zika Virus Zoonotic Diseases  
**5:03:40 PM** Hlghly Pathogenic Avian Influenza  
**5:04:43 PM** Bronson Animal Disease Diagnostic Laboratory  
**5:06:11 PM** Question - Sen. Steube  
**5:06:34 PM** Response - Mickael Short  
**5:07:28 PM** Follow up - Sen. Steube  
**5:07:55 PM** Response - Mickael Short  
**5:08:14 PM** Question - Sen. Rader  
**5:09:01 PM** Response - Mickael Short  
**5:09:33 PM** Response - Grace Lovett  
**5:10:13 PM** Closing Remarks and Questions with Grace Lovett Dir. Of Legislative Affairs, FL. Dept. of Agriculture  
and Consumer Services  
**5:10:42 PM** Closing Remarks - Chairman Perry  
**5:11:22 PM** Powell