

# Citrus Notes



Chris Oswalt  
UF/IFAS Citrus  
Extension Agent  
for  
Polk &  
Hillsborough  
Counties

## IMPORTANT DATES

**JANUARY 8, 2019**

### **CITRUS INSECT MANAGEMENT WORKSHOP**

Lake Alfred, FL

**FEBRUARY 6, 2019**

### **CERTIFIED PILE BURNER COURSE**

Immokalee, FL

**FEBRUARY 12, 2019**

### **OJ BREAK**

Lake Alfred, FL

## CONTACT INFO

### **POLK COUNTY EXTENSION SERVICE**

PO Box 9005, Drawer HS03  
Bartow, FL 33831  
(863) 519-1052  
Email: [wcoswalt@ufl.edu](mailto:wcoswalt@ufl.edu)

### **HILLSBOROUGH COUNTY EXTENSION SERVICE**

5339 County Road 579  
Seffner, FL 33584  
(813) 744-5519  
Ext. 541231

### Citrus Insect

## Management Workshop



There will be a citrus insect management workshop held at the UF/IFAS Citrus Research and Education Center in Lake Alfred. The

program will be held on Tuesday, January 8, 2019 beginning at 9:30 AM. I have attached a program flyer with additional information on the program along with registration. Please note that late registration begins after January 4 so please register early as participation is limited to 50 people for this program.

### 2018-19

## Winter Weather Watch

In the event of freezing weather you really want to have a reliable source of weather information. It doesn't matter who you choose as long as you are comfortable in the consistency of the weather information provided. If you are looking, you might want to check out the Winter Weather Watch program. Information along with a registration form is attached to this issue of Citrus Notes.

### February 2019 OJ Break

Our February 2019 citrus grower OJ Break will be held on Tuesday, February 12, 2019. The OJ break will be at the

UF/IFAS Citrus Research and Education Center in Lake Alfred. We will have more information on the OJ Break in our January and February editions of citrus notes.

### Certified

## Pile Burners Course

Dr. Mongi Zekri will be hosting a Florida Forest Service certified pile burner course at the UF/IFAS Southwest Florida Research and Education Center. The course will be held on Wednesday, February 6, 2019. I have included additional information on the pile burners course at the end of this newsletter. Registration is \$50.00 and limited to the first 50 individuals to register.

### Citrus

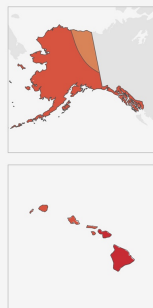
## Flower Bud Advisories

Dr. Gene Albrigo is again this winter providing updates on citrus flower bud induction. Dr. Albrigo's latest updates can be found at the following website: [https://crec.ifas.ufl.edu/extension/flowerbud/2019/12\\_11\\_18.shtml](https://crec.ifas.ufl.edu/extension/flowerbud/2019/12_11_18.shtml).

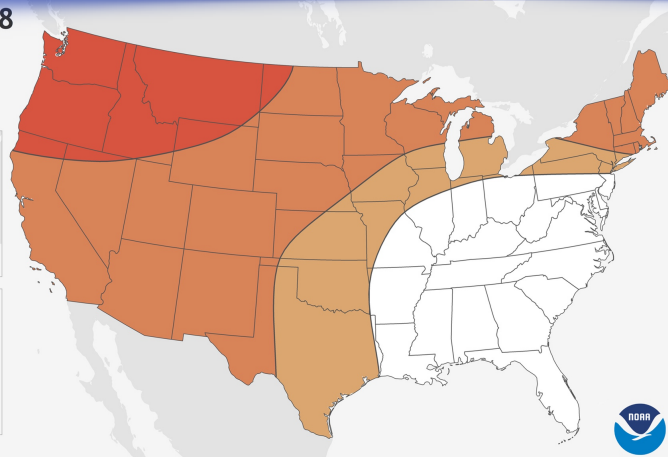
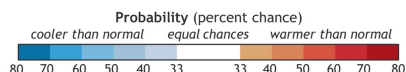
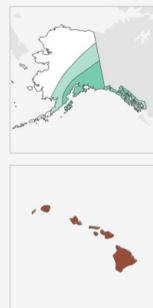
**UF** | IFAS Extension  
UNIVERSITY of FLORIDA

*The Foundation for the Gator  
Nation*

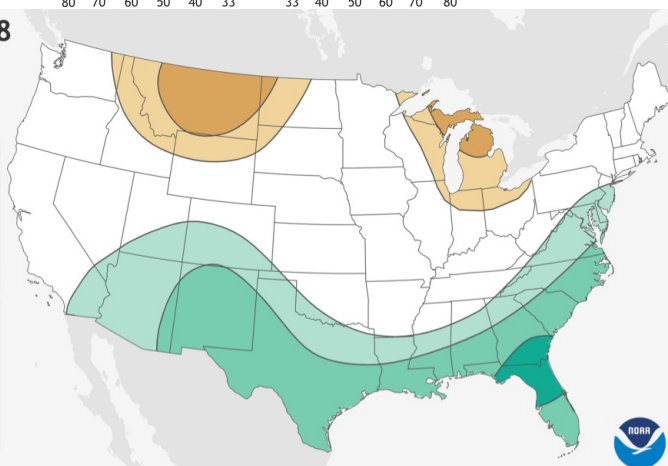
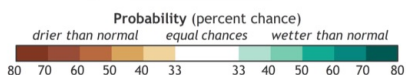
*An Equal Opportunity Institution*

**Winter 2018**U.S.  
Temperature  
Outlook

AK and HI not to scale

Temperature Outlook  
for Dec 2018 - Feb 2019  
Issued 18 October 2018NWS Climate Prediction Center  
Map by NOAA Climate.gov**Winter 2018**U.S.  
Precipitation  
Outlook

AK and HI not to scale

Precipitation Outlook  
for Dec 2018 - Feb 2019  
Issued 18 October 2018NWS Climate Prediction Center  
Map by NOAA Climate.gov**2018-19****WINTER OUTLOOK**

After a few frosty mornings already this winter now seems to be a good time to review the National Weather Service's, Climate Prediction Center's outlook for the 2018-19 winter season. The Climate Prediction Center is forecasting El Niño conditions to be present this winter.

What this typically means for Florida is for below normal temperatures and above average amounts of rainfall. As I'm writing this newsletter we have already received 2 1/2 inches of rain today. The below average temperature forecasted for these El Niño type winters is more reflective of increased cloudiness and cloud cover more so than significant freezing temperatures. Having said this a grower should always be concerned about the prospects for freezing weather and be prepared to implement a cold protection plan.

## Chlorpyrifos Should be Available for 2019

Chlorpyrifos – sold under the trade name Lorsban – should be legal to use in fruits and vegetables for 2019. Growers have expressed concern given a recent ruling by the 9th Circuit Court of Appeals that, if it stands, will require the [Environmental Protection Agency](#) (EPA) to begin a [Federal Insecticide Fungicide Rodenticide Act](#) (FIFRA) process to revoke all label uses of this product. It is, of course, impossible to predict exactly what will happen, but the best indications are that chlorpyrifos purchased this winter and spring will be available to use for 2019. We encourage you to keep updated at [EPA's chlorpyrifos website](#). (Vegetable Growers News, 11/6/18)

## Pesticide Registrations and Actions

The United States Environmental Protection Agency (EPA), under the provisions of sections 18 FIFRA, has issued a specific exemption for the use of Belay Insecticide (clothianidin), EPA Registration Number 59639-150, to manage the transmission of Huanglongbing disease in citrus trees. The disease is vectored by the Asian citrus psyllid, a non-native insect species. This emergency exemption (File Symbol 19FL01) will expire October 31, 2019. (FDACS letter 11/12/18)

The revised Special Local Need label for ADMIRE® PRO, EPA Reg. No. 264-827 EPA SLN NO. FL-120008 has been revised and accepted for basal tree

applications to suppress the transmission of Huanglongbing disease (citrus greening) by Asian Citrus Psyllid in young citrus groves and replants. The biennial expiration date of this existing SLN has been updated to December 31, 2020. (FDACS letter, 11/28/18)

The revised label for IMIDAN 70-W, EPA Reg. No.10163-169 EPA, SLN No. FL-010006 for the Special Local Need under FIFRA Section 24(c) has been accepted by the FDACS for control of scale, mealybug, rust mite (suppression), snails, slugs, citrus weevil complex (including Apopka {Diaprepes} weevil, blue-green weevil, and little leaf notcher), and citrus psyllid in oranges and grapefruit. The expiration date has been updated to December 31, 2023. (FDACS letter, 10/22/18)

# AVERAGE FREEZES

## BASED ON THE STATUS OF EL NIÑO

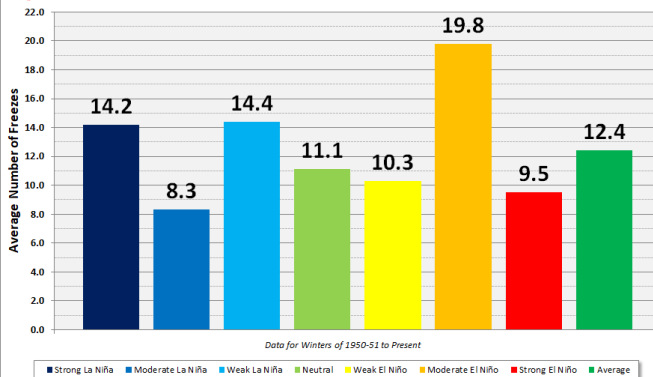
The graphs contained on this page come from the National Weather Service office in Tampa Florida. These graphs depict the number of freezes on average since about 1950 based upon the El Niño status of the winter.

Information previously discussed in the newsletter indicates this winter is forecasted to be an El Niño winter specifically more likely a moderate El Niño winter. Based on that information looking at the graphs on this page you will notice that the number of freezes during a moderate El Niño winter varies quite a bit based on location within the state.

A closer look at the graphs indicate that in Inverness Lakeland and Arcadia the average number of freezes in a moderate El Niño winter is greater than the overall average. Conversely, in Tampa and Fort Myers, the average number of freezes during a moderate El Niño winter is less than the average for the time period.



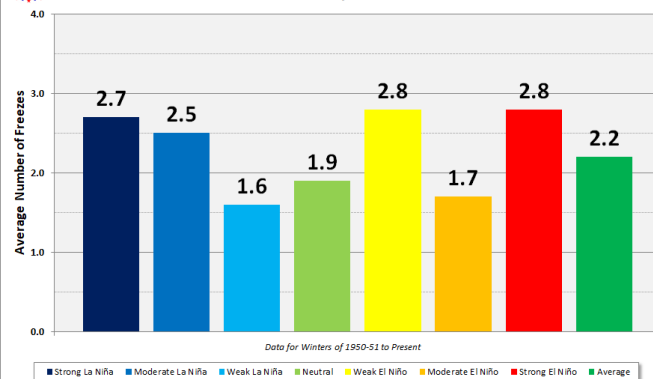
Average Number of Freezes per Cool Season  
Inverness 3 SE



The term Cool Season for this graph includes Freezes that occur between October and April of the following year broken down by ENSO category



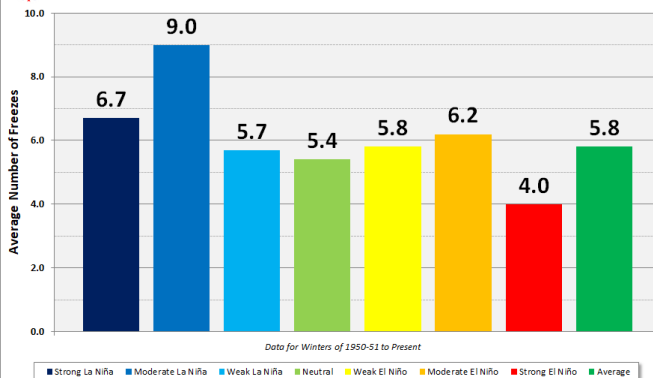
Average Number of Freezes per Cool Season  
Tampa



The term Cool Season for this graph includes Freezes that occur between October and April of the following year broken down by ENSO category



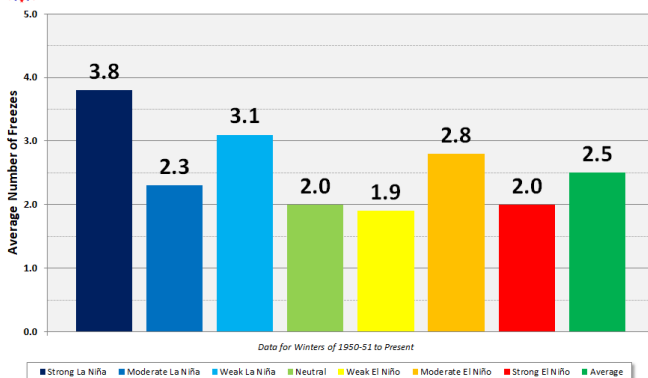
Average Number of Freezes per Cool Season  
Arcadia



The term Cool Season for this graph includes Freezes that occur between October and April of the following year broken down by ENSO category



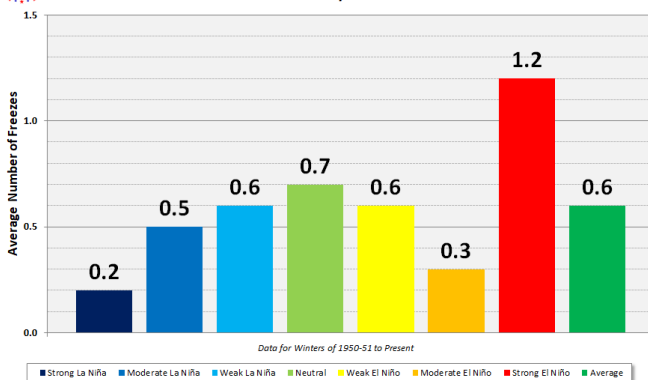
Average Number of Freezes per Cool Season  
Lakeland



The term Cool Season for this graph includes Freezes that occur between October and April of the following year broken down by ENSO category



Average Number of Freezes per Cool Season  
Fort Myers

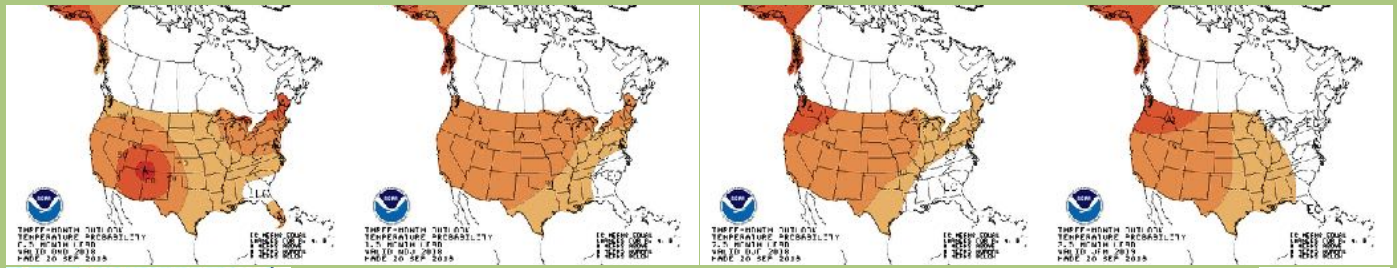


The term Cool Season for this graph includes Freezes that occur between October and April of the following year broken down by ENSO category





# Winter Weather Watch



Polk County Cooperative Extension Service  
 Phone: 863-519-1052  
 Email: [wcoswalt@ufl.edu](mailto:wcoswalt@ufl.edu)



## UF/IFAS Polk County Cooperative Extension Service

The 2018 - 19 version of the Winter Weather Watch will begin on November 15, 2018. Time is short so send in your subscription form to receive timely agricultural winter weather forecasts and information.



The 2018-19 edition of the Polk County Winter Weather Watch program will begin on November 15, 2018. The program provides growers with winter weather forecast

information specifically geared toward agricultural interests in West Central and Southwest Florida. The program provides subscribers with an unlisted phone number for (24 hour/7 days a week) access to daily weather forecasts. The zone forecasts are from the National Weather Service (NWS) and are listed on the automated phone menu, so you can select the products you are interested in. Forecasts include the zone forecasts, 6-10 and 8-14 day outlook forecasts. In addition to the forecasts we have special weather narratives provided as needed in the event of freezing temperatures and a weekly outlook provided by our own meteorologist Fred Crosby. When freezing temperatures are predicted in our area additional updates will include the afternoon zone forecast and the modified sunset brunt minimum temperature equation. If this is not enough we will also provide the weekly citrus leaf freezing

temperatures and the 2018-19 Winter Weather Watch manual. You will also have access to weather data from seven Polk County Citrus Extension Weather Stations.

Subscriptions for the Winter Weather Watch program are only \$100.00 for the entire 4 month period (Nov 15 to Mar 15). The cost is about the same as one tank of gas for your pickup truck. You can subscribe to the Winter Weather Watch by completing and returning the enclosed "subscription form".

## Forecast Schedule



The following schedule lists the products available from the Winter Weather Watch. The times and specific days of week and the forecasted minimum temperature dictate

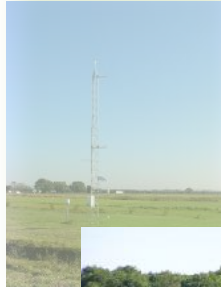
when these forecasts products will be updated. Our Winter Weather Watch area includes the following areas by county: Pasco, Hillsborough, Polk, Highlands, Hardee, Manatee, Sarasota, DeSoto, Charlotte, Lee, Glades, Hendry and Inland Collier.

# FORECAST SCHEDULE

Forecast Product	Above 32 ° F	32°-29°F	Below 28° F
<i>Zone</i>	<i>Daily 8:30 a.m.</i>	<i>Daily 8:30 a.m.</i>	<i>Daily 8:30 a.m.</i>
<i>6-10 &amp; 8-14 Day Outlooks</i>	<i>Mon/Wed/Fri 8:30 a.m.</i>	<i>Mon/Wed/Fri 8:30 a.m.</i>	<i>Mon/Wed/Fri 8:30 a.m.</i>
<i>Weekly Outlook</i>	<i>Friday 5:00 p.m.</i>	<i>Friday 5:00 p.m.</i>	<i>Friday 5:00 p.m.</i>
<i>Leaf Freezing Temperatures</i>	<i>Friday 5:00 p.m.</i>	<i>Friday 5:00 p.m.</i>	<i>Friday 5:00 p.m.</i>
<i>Special Weather Narratives</i>	<i>As Needed</i>	<i>Daily 4:00 p.m.</i>	<i>Daily 4:00 p.m.</i>
<i>Afternoon Zone</i>	<i>None</i>	<i>Daily 5:30 p.m.</i>	<i>Daily 5:30 p.m.</i>
<i>Sunset/Brunt</i>	<i>As Needed</i>	<i>As Needed</i>	<i>Daily 7:00 p.m.</i>

# 2018 - 2019 WINTER WEATHER WATCH PROGRAM

NOVEMBER 15, 2018 TO MARCH 15, 2019  
REGISTRATION FEE: \$100.00



It's once again time to register for the upcoming 2018 - 2019 Winter Weather Watch Program. Upon receiving your \$100.00 registration payment, you will be

sent an unlisted telephone number with which you can retrieve the latest **Ag Forecasts**, 24 hours a day. **Please do not give this number to others.** The *Winter Weather Watch Program* is funded by the registration fees to pay for telephone equipment rentals, long distance calls, repairs and our meteorologist.



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## 2018 - 2019 Winter Weather Watch Program

NAME: \_\_\_\_\_ PHONE NUMBER: \_\_\_\_\_

COMPANY: \_\_\_\_\_

MAILING ADDRESS: \_\_\_\_\_

EMAIL ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

**REGISTRATION FEE \$100.00**

PLEASE RETURN THIS REGISTRATION FORM AND YOUR CHECK PAYABLE TO:

**POLK COUNTY EXTENSION CITRUS ADVISORY COMMITTEE  
PO BOX 9005, DRAWER HS03  
BARTOW, FL 33831-9005**



# Citrus Insect Management Workshop

UF | IFAS Extension  
UNIVERSITY of FLORIDA

## Location

UF/IFAS Citrus Research and Education Center  
700 Experiment Station Road  
Lake Alfred, Florida 33850

## Registration

<https://citrusinsectworkshop.eventbrite.com>

Registration fee \$25.00 by Friday, January 4<sup>th</sup>

Late Registration fee \$30.00 after January 4<sup>th</sup>

Limited to 50 participants

**Pest management in citrus is changing as we learn more about citrus greening and its vector, the Asian citrus psyllid (ACP). Due to insecticide resistance problems with ACP and a recent focus on tree nutrition with often reduced insect management inputs, the UF/IFAS citrus entomology team has developed a program to help growers be prepared to manage ACP in the face of resistance and to develop management for pests which may become more abundant with changes to nutritional and insecticidal inputs. This workshop will be a combination of presentations by researchers and hands-on opportunities to assist growers in identifying other citrus pests, their associated damage, and how to manage them.**

## Continuing Education Units (CEU)

CEUs for restricted use pesticide (RUP) license holders and Certified Crop Advisors will be available.



**JANUARY 8, 2019**

## Agenda

9:30 a.m. Registration

### Seminar Session 1

10:00 a.m. **Welcome** (Steve Futch, UF/IFAS Extension)

10:05 a.m. **Current Citrus Pests: Identification and Seasonality**  
(Dr. Lauren Diepenbrock, UF/IFAS CREC)

10:25 a.m. **Psyllid Management Options and Challenges**  
(Dr. Lukasz Stelinski, UF/IFAS CREC)

10:55 a.m. **Sampling and Thresholds for Management of Phytophagous Mites**  
(Dr. Jawwad Qureshi, UF/IFAS SWFREC)

### Hands-On Session 1

11:15 a.m. **Mite Sampling and Basic Identification** (Dr. Jawwad Qureshi, UF/IFAS SWFREC)

11:35 a.m. **ID Stations part 1: Pest Damage Above Ground and Preserved/Live Specimens**

12:00 p.m. **Lunch**

### Seminar Session 2

1:00 p.m. **Grove Design: Incorporating Wind Breaks** (Dr. Xavier Martini, UF/IFAS NFREC)

1:20 p.m. **Diaprepes Root Weevil IPM: Targeting the Soil-borne Larvae**  
(Dr. Larry Duncan, UF/IFAS CREC)

1:45 p.m. **Pests on the Horizon: Resurgences and Potential Future Concerns**  
(Dr. Lauren Diepenbrock, UF/IFAS CREC)

### Hands-On Session 2

2:05 p.m. **Diaprepes Management: Life Stages, Entomopathogenic Nematode (EPN) Demonstration, and Weed Fabric for Larval Exclusion**  
(Dr. Larry Duncan, UF/IFAS CREC)

2:25 p.m. **ID Stations part 2: Pest Damage Belowground, Preserved Specimens of Potential Pests, and Preserved/Live Specimens of Beneficial Insects**

For more information, please contact Jamie Burrow, [jdyates@ufl.edu](mailto:jdyates@ufl.edu) or 863-956-8648



Information for the next Certified Pile Burners Course:

The Florida Forest Service and University of Florida Cooperative Extension Service will be conducting a Certified Pile Burners Course on **Wednesday, February 6, 2019**. This course will show you how to burn piles *legally, safely and efficiently*. Most importantly, it could save a life. If you burn piles regularly, don't put off registering for this training. When the weather is dry, certified pile burners will receive priority for authorization to burn. Also, certified pile burners are allowed to burn up to two hours longer per day and get multiple day authorizations. Don't wait. The number of trainings offered and attendance at each training is LIMITED. This training will be held from 8:30 am till 4:30 pm at the **Southwest Florida Research and Education Center, Immokalee, Florida**. Included are a registration form and program agenda.

Registration is required to attend and class size is limited. To attend please send the following information (see form on next page):

1. Your full name (as wanted on your pile burning certificate).
2. Your mailing address (where you want the certificate mailed).
3. Your Florida Forest Service Customer Number (It is the number that you are required to give the FFS when you call in for your burn permits. If you do not know it please call the local FFS office and ask them to create one for you).
4. Your email address (if you have one) and/or contact phone number.
5. A check made out to: Hendry County 4-H for \$50.00.

The first fifty individuals to provide these five requirements will be registered; there will be a 7-day non refundable fee limit. If you do not make the training and did not contact our office at least one week before the class, you will not receive a refund. There will be a test at the end of the session. You must receive a grade of 70% or higher on the exam and demonstrate a proper pile burn with your local FFS office to become certified. Once you are certified it will be noted with your customer number, thus it is important for us to have the proper number. If you do not have a customer number the FFS office will set one up for you. Fill out the registration form on the next page and return as directed.

Sincerely,

**Mongi Zekri**

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**For Questions Contact: Dr. Mongi Zekri at [maz@ufl.edu](mailto:maz@ufl.edu) or 239-595-5494**

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# Registration Form

Florida's Certified Pile Burner Program  
*Wednesday, February 6, 2019*

Hendry County Extension Office  
P.O. Box 68, LaBelle, FL 33975  
(863) 674-4092

Please send this form and a check for \$50.00 made payable to:

**Hendry County 4-H**

Mail to: Dr. Mongi Zekri  
Hendry County Extension Office  
P. O. Box 68  
LaBelle, FL 33975

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Name

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Mailing address

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Email address

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Phone Number

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Florida Forest Service Customer Number, <https://www.freshfromflorida.com/Divisions-Offices/Florida-Forest-Service/Our-Forests/Field-Operations/County-Foresters/Find-a-County-Forester>

