

# **Broward Green Bites**

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## A Note From the Broward County's Urban Horticulture Extension Agent...

Dear "Broward Green Bites" Readers.

Happy Summer! I am very excited to share with you our new Summer *Broward Green Bites* newsletter. Our Summer newsletter is sharing some of our amazing 2019 Extension events, new projects, educational information and collaborative initiatives for new programming. The University of Florida's Institute of Food and Agricultural Sciences (UF/IFAS) is a federal, state, and county partnership dedicated to developing knowledge in agriculture, human and natural resources, the life sciences and to making that knowledge accessible to sustain and enhance the quality of human life. Enjoy our Summer newsletter!



Lorna Bravo, Urban Horticulture Agent II, CED LEED AP BD+C

Phone: 954-756-8529 | Fax: 954-357-5271

#### CHECK OUT THESE ONLNE RESOURCES:

**UF/IFAS Extension Website:** <a href="http://sfyl.ifas.ufl.edu/broward/urban-horticulture-and-natural-resources/">http://sfyl.ifas.ufl.edu/broward/urban-horticulture-and-natural-resources/</a>

EDIS Publications: http://edis.ifas.ufl.edu/

Florida Master Gardener: http://gardeningsolutions.ifas.ufl.edu/mastergardener/

Florida Master Naturalist: http://www.masternaturalist.ifas.ufl.edu/

Florida Friendly Landscapes: http://fyn.ifas.ufl.edu/

Gardening Solutions: <a href="http://gardeningsolutions.ifas.ufl.edu/">http://gardeningsolutions.ifas.ufl.edu/</a>

Broward Master Gardener: <a href="http://sfyl.ifas.ufl.edu/broward/urban-horticulture-">http://sfyl.ifas.ufl.edu/broward/urban-horticulture-</a>

and-natural-resources/broward-master-gardener/



## **Upcoming Events**



### URBAN AGRICULTURE WORKSHOP SERIES LAUNCHES JULY 22ND

University of Florida, Institute of Food & Agricultural Sciences (UF/IFAS), Dania Beach PATCH, and Broward and Collier County Extension, are pleased to present the 2019 Sustainable Urban Agriculture Workshops. It is a comprehensive and collaborative extension program that includes a series of lectures and hands-on workshops on sustainable urban agriculture geared for small-scale farmers, urban growers, community gardeners, backyard gardeners, entrepreneurs, planners and sustainability practitioners. This program is partially sponsored by the DeLuca Foundation and the City of Dania Beach Community Redevelopment Agency. Participants will gain a better understanding of social and environmental benefits of urban agriculture, acquire knowledge and adopt best management practices to start or expand their farming operations towards sustainability.



## 2019 Invasive Reptile & Crocodilian Series







Follow the UF-IFAS FLREC Croc Doc Team @ http://crocdoc.ifas.ufl.edu/



The American alligator (Alligator mississippiensis) is a keystone species inhabiting aquatic environments across the southeastern United States. Alligators play a significant role as ecosystem engineers by creating habitats and altering hydrology, which in turn provides safe haven not only for themselves but many other species of fish and wading birds. Since alligators are sensitive to changes in depth and timing of water flow, as well as availability of prey, they make an effective indicator for ecological responses. The Florida Everglades is a highly modified system undergoing restoration; monitoring the alligator population will apprise progress of restoration efforts.

### To read about The American Alligator: Visit UF/FAS EDIS Publications:



- http://edis.ifas.ufl.edu/pdffiles/UW/UW38000.pdf
- http://edis.ifas.ufl.edu/pdffiles/UW/UW35800.pdf
- http://edis.ifas.ufl.edu/pdffiles/UW/UW28300.pdf

# **Upcoming Events**

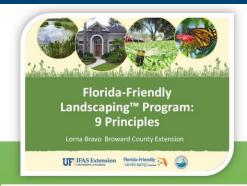
UF/IFAS Broward County Extension 2019 Invasive Reptile & Crocodilian Series

Save the Date: August 15, 2019



## UF/IFAS EXTENSION BROWARD COUNTY FFL MASTER GARDENER TRAINING





Florida-Friendly Landscaping is a collection of practices involving design, installation, operation, and maintenance which are intended to reduce irrigation water-use, protect water quality from over-use of fertilizer and pesticides, and reduce stormwater runoff.



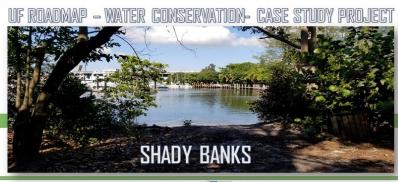


#### FFL LANDSCAPE ADVISER TRAINING FOR MASTER GARDENER VOLUNTEERS

On May 29, 2019, UF/IFAS Extension Broward County Master Gardener program had its first Florida-Friendly Landscaping (FFL) advance training for Master Gardener volunteers. The advanced training covered beyond the 9 principles to teach Master Gardeners how to become yard advisors and work through the FFL checklist with confidence. Learn how you can have a beautiful landscape that could save you time, energy and money while protecting our future. Come and join our Broward County Florida-Friendly Landscaping Master Gardener Ambassador Team!

#### To read about the Florida-Friendly Landscaping Broward County program visit:

- http://sfyl.ifas.ufl.edu/broward/urban-horticulture-and-natural-resources/fflresources/
- Contact: Lorna Bravo at : Ibravo1@ufl.edu or Anthony Gross at BrowardMG@ifas.ufl.edu















Shady Banks is a residential neighborhood in Fort Lauderdale, Florida. With approximately 500 homes on quiet, tree-lined streets. It is located on the banks of the New River and contains Hort Park and the Bill Keith Nature Preserve. The UF/IFAS Extension Broward County Florida Friendly Landscaping (FFL) Program is working with Shady Banks community to educate residents about Florida-Friendly Landscaping principles.

## UF IFAS EXTENSION BROWARD COUNTY RAIN BARREL PROGRAM



#### Florida-Friendly Landscaping: Adopting Water-Conservation practices with Rain Barrels

South Florida receives an average of 62 inches of rainfall per year. Most of this water washes off green lawns and pavements carrying fertilizers and other chemicals into local waterways. A rain barrel is an inexpensive way of capturing and storing some of this water for later use Rainwater that would otherwise be lost to run off and diverted to storm drains and streams. Start a new trend by placing artistic rain barrels around your house. You will be teaching and encouraging others in your neighborhood to do the same. Also, the act of collecting rainwater can be an inspiration to find other ways to conserve water around the home.

To read more about UF/IFAS Extension Broward County Rain Barrel program visit: https://blogs.ifas.ufl.edu/browardco/2019/07/01/florida-friendly-landscaping-adopting-water-conservation-practiceswith-rain-barrels/





#### Rain Barrel Workshops provided by:

**UF/IFAS Extension Broward County** Contact: Lorna Bravo lbravo1@ufl.edu (954) 756-8529

#### Did you know...

**Broward County averages** 50-60 inches of rain annually.

You can capture and use our abundance of rain!

Rain barrels and other storage vessels can help.









# SUSTAINADE UTAN AGTICULUE PROGRAM UF IFAS Extension UF IFAS Extension





## Sustainable Urban Agriculture Program for Master Gardeners



UF/IFAS Extension Broward County Master Gardener Program is introducing a new Master Gardener class module titled 'Sustainable Urban Agriculture for Master Gardeners.'

UF/IFAS Extension is collaborating with assistant professor Dr. Jiangxiao Qiu from Landscape Ecology at the Fort Lauderdale Research Center, Francisco Rivera Small Farm Agent from Hillsborough County, assistant professor Dr. German Sandoya Lettuce cultivar specialist from Belle Glade, Florida and Vanessa Campoverde Commercial Agricultural Agent from Miami Dade County to bring this program to Broward County Master Gardeners.

We are very excited to be collaborating with this fantastic team and create a comprehensive and collaborative extension program that includes a series of lectures and hands-on workshops on sustainable urban agriculture that connects members of our community by learning about the sources of local fresh produce and healthy living. Participants will gain a better understanding of the social and environmental benefits of urban agriculture, acquire knowledge, and adopt best management practices. Environmental sustainability starts in our backyards, and UF/IFAS Extension Broward County sees excellent potential in this project.

-Lorna Bravo



MIRAMAR COMMUNITY GARDEN





GROWING FOOD IN URBAN COUMMUNITY GARDENS





Broward County Master Gardener Vivian Landix sharing UF/IFAS Extension Broward County Vegetable Garden Project to the new Master Gardener class 2019



UF/IFAS Extension Small Farm Agent Francisco Rivera from Hillsborough County demonstrating Hydroponic Systems.

### COMMUNITY IMPACT

Dr. Julieta Ross attended our first Sustainable Urban Agriculture workshop in April 2019, and she shared her testimony.

Thank You for the exposure that you have given me into your program. I don't have much experience in agricultural sciences, but I have been a novice home grower of vegetables for most of my life. A very frustrated one, by the way, as my veggie plants don't typically survive for long. I planted my first bell pepper plant when I was eight years old while living in Buenos Aires. Since then I've had patches of vegetable gardens in all my homes, in Nashville, Buffalo, Plantation, Wilton Manors and Madrid, Spain. I live in Fort Lauderdale, Florida, renting an apartment while looking to buy a house. One of my biggest disappointments was that I was not going to be able to grow anything as I don't have a yard. Then I attended your Saturday session and visited Marsha's house with your class. Marsha has a big yard, but yet grows everything in containers. She has 100+ varieties of tomatoes growing this way, and heirlooms of her own. She shared how to combat nematodes, solarizes the soil, and mixes her medium. How she deals with water shortages, how she uses LED lighting to grow her seedlings, how she ferments her tomato seeds.... I couldn't take notes fast enough! I know this was just one single Saturday session, but it had a significant impact on me. I leveraged her experience to start growing in containers in my apartment balcony. The success that I've had growing vegetables this time surpasses anything I've done before. My eggplants are huge; tomatoes are plentiful, green beans and cucumbers are honestly out of control!

Sincerely,

Julieta Ross, PhD



SUSTAINABLE URBAN AGRICULTURE SITE VISITS











Julieta Ross, PhD

## Sustainable Urban Agriculture Program UF IFAS Extension UNIVERSITY of FLORIDA





# Hydroponic Solutions for Urban Food Production





### **DID YOU KNOW?**

The word hydroponics comes from two Greek words: hydro meaning water and ponos meaning work; the combination means "working water," as a method for growing plants without soil. On May 2019, The UF/IFAS Extension Broward County Master Gardener program launched the first hydroponic workshop to 23 Master Gardeners with a focus on water use efficiency. MGs were trained in urban agriculture aspects, water use efficiency and identify suitable cultivars for hydroponics. Participants learned to build their own hydroponic floating bed system together to test hydroponically grown Florida lettuce as an alternative crop for local food production.





**EMPOWERING MASTER GARDENERS TO BUILD THEIR OWN GARDENING FLOATING BEDS** 







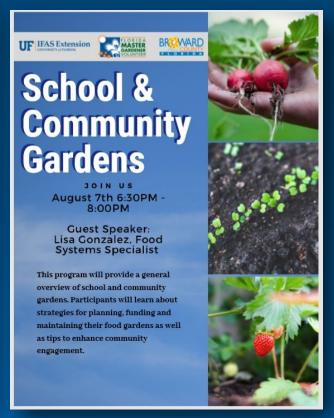


Want to join our Master Gardener program? Contact Lorna Bravo: lbravo1@ufl.edu

## **Upcoming Events**

Come and Join us!!!





All upcoming events will take place at UF/IFAS Extension Broward County
Office located at: 3245 College Ave Davie, Florida 33314





# Florida-Friendly Landscape Plant of The Month

### Buttonsage (Lantana involucrata)







Family: Verbenaceae (Verbena)
Leaves are oppositely arranged, ovate to elliptical in shape, with toothed margins and a rough upper surface. They are aromatic when crushed. Its fruit is a small, purplish-black drupe.





Buttonsage (*Lantana involucrata*) is easily one of the most underutilized native plants as it epitomizes the term "Florida-Friendly." Occurring naturally throughout central & southern Florida in most sandy coastal habitats such as pinelands & dunes, this shrub requires virtually no irrigation once established & is highly tolerant of salt, alkalinity, & poor soil in general. It regularly & consistently produces small clusters of white flowers throughout the year, providing a bountiful feast for butterflies & native bees. These flowers soon become clusters of bright magenta fruits adored by many birds. With a full, low canopy (<10ft) of beautiful bright green foliage as well as a moderate growth rate, Buttonsage even makes an excellent hedge, proving it truly has something for everyone. You'll be delighted you choose to add this exceptional native plant to your landscape!- Adam Pitcher



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Visit our UF/IFAS Extension Broward County Website at: http://sfyl.ifas.ufl.edu/broward/urban-horticulture-and-natural-resources/ http://blogs.ifas.ufl.edu/browardco/

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Do you have an idea, question, or comment you would like to share?

Please reach out to us via the following:

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