

## October to December 2021- Volume 4, Number 4

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

Dear “Broward Green Bites” Readers,

I am very excited to share with you our Fall Broward Green Bites newsletter. Our new issue is sharing impact stories, new 2022 projects, educational information, and collaborative initiatives for original 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 new newsletter!

Warm Regards,



Interested to visit our Florida-Friendly Landscape Garden?  
Email us at: [lbravo1@ufl.edu](mailto:lbravo1@ufl.edu)

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

Phone: 954-756-8529 | Fax: 954-357-5271  
Email: [lbravo1@ufl.edu](mailto:lbravo1@ufl.edu)

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➤ <https://twitter.com/HortUrban>



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LORNA BRAVO



## Upcoming Events



### MASTER GARDENER VOLUNTEER SCHOLARSHIP Class of 2022

UF/IFAS Extension, Broward County Master Gardener Volunteer Program launches the first Master Gardener Volunteer Scholarship to join the class of 2022.

For more information please contact:

Lorna Bravo | [lbravo1@ufl.edu](mailto:lbravo1@ufl.edu)  
Anthony Gross | [Anthony.gross@ufl.edu](mailto:Anthony.gross@ufl.edu)  
Samuel Chillaron | [Samuel.chillaron@ufl.edu](mailto:Samuel.chillaron@ufl.edu)

Interested in learning more about the Master Gardener Volunteer Program or our new Scholarship Opportunity?

Please visit us on the web:  
<http://sfyl.ifas.ufl.edu/broward/urban-horticulture/broward-master-gardener/>



### New 2022 Master Gardener Volunteer Scholarship Program

Applications are available for the 2022 UF/IFAS Extension Broward County Master Gardener Volunteer (MGV) training scheduled to begin in February 2022. For the second year in a row, the program will be conducted virtually with two classes a week for 16 weeks. For the first time, a scholarship program has been designed for interested participants who might not otherwise be able to financially pay the complete cost of the training fee.

Interested? Contact: [anthony.gross@ufl.edu](mailto:anthony.gross@ufl.edu)



# Master Gardener Volunteer Scholarship Program



## MASTER GARDENER VOLUNTEER SCHOLARSHIP Class of 2022

UF/IFAS Extension, Broward County Master Gardener Volunteer Program launches the first Master Gardener Volunteer Scholarship to join the class of 2022.

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Samuel Chillaron | Samuel.chillaron@ufl.edu

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Please visit us on the web:  
<http://styl.ifas.ufl.edu/broward/urban-horticulture/broward-master-gardener/>

SCAN ME!



**THANK YOU TO OUR UF/IFAS EXTENSION BROWARD COUNTY MASTER GARDENER VOLUNTEER SCHOLARSHIP SPONSORS**



**SUSTAINABLE URBAN FOOD PRODUCTION**

MASTER GARDENER VOLUNTEER MARSHA E. SUPPORTING UF/IFAS EXTENSION BROWARD COUNTY MGVS SCHOLARSHIP PROGRAM



2021 TOMATO PLANT SALE / 765 PLANTS SOLD!!

## Donating \$2,209 To MGVS Scholarship

**ALL PROCEEDS SUPPORT 2022MGVS SCHOLARSHIP PROGRAM**

**UF** | IFAS Extension  
UNIVERSITY of FLORIDA



Supporting UF/IFAS Extension Broward County MGVS Scholarship Program



**YOU CAN APPLY**



• [MGV-Scholarship-Application.pdf \(ufl.edu\)](#)



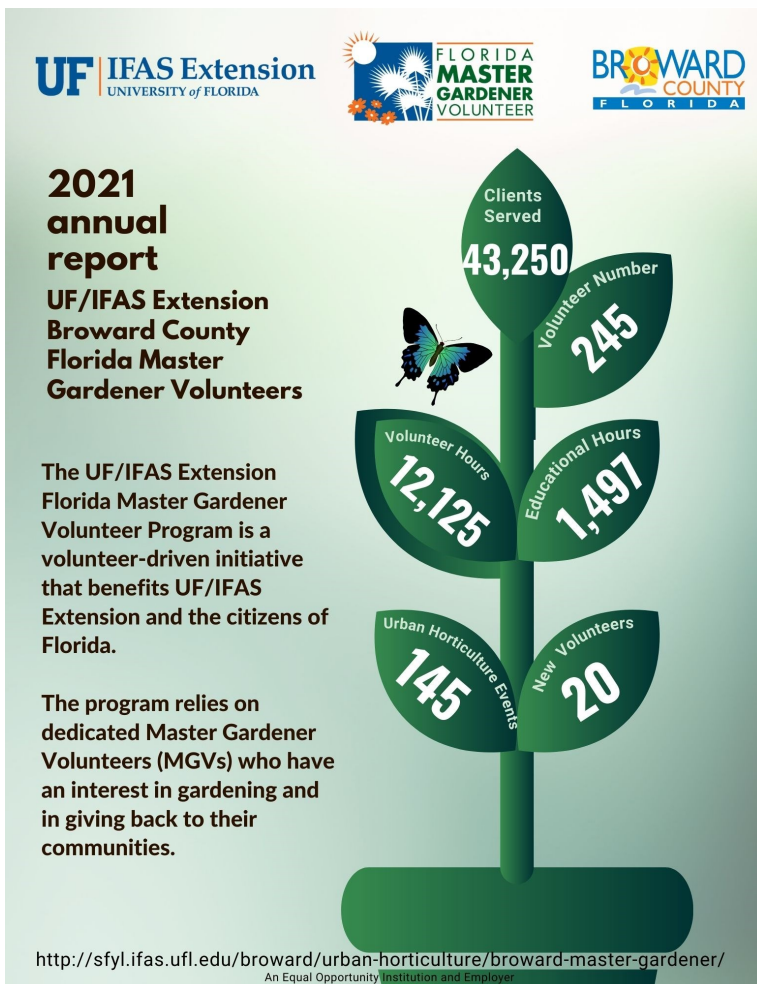
# Master Gardener Volunteer Graduations Class 2020 & 2021

## CELEBRATING MASTER GARDENER VOLUNTEER GRADUATIONS 2021

MASTER GARDENER VOLUNTEERS CELEBRATING GRADUATIONS. INTERESTED TO JOIN OUR UF/IFAS EXTENSION MASTER GARDENER VOLUNTEER PROGRAM?



2021 was another busy year for Broward County Extension Master Gardener Volunteer (MGV) program. Due to COVID-19, the MGV program continued in a virtual platform with training and outreach via various digital platforms and a limited number of socially distanced in-person training.



2021 MGVC OUTDOOR EVENT



**FLORIDA MASTER GARDENER VOLUNTEER**

READ OUR LATEST BLOG: [Join Broward County Master Gardener Volunteer Class 2022 - UF/IFAS Extension Broward County \(ufl.edu\)](#)



# 2021 Master Gardener Volunteer Graduations

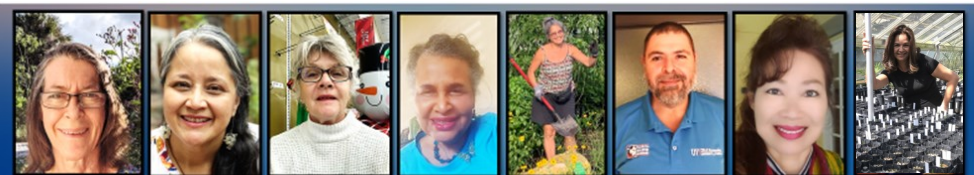


## THANKING OUR BROWARD COUNTY MGV MENTORS





## 2021 AWARDS OF EXCELLENCE FOR FLORIDA-FRIENDLY LANDSCAPING™ - ART IN THE GARDEN



Florida-Friendly  
Landscaping™ PROGRAM

FLORIDA-FRIENDLY LANDSCAPE BUTTERFLY GARDENING  
TEAM/ ART IN THE GARDEN



### Florida-Friendly Landscape Principle # 5 Attract Wildlife

Plants in your landscape that provide food, water and shelter will attract Florida's diverse wildlife.

*Invite plants in the landscape that provide food, water, and shelter to attract Florida's diverse wildlife to conserve and protect Florida's natural resources—reconnecting back to nature.*





## 2021 AWARDS OF EXCELLENCE FOR FLORIDA-FRIENDLY LANDSCAPING

Virtual Art in The Garden 2021



Master Gardener Volunteers sharing their knowledge



MGVs Teaching FFL  
Principles #5 & #2



Amy R.  
GI-BMP & FFLCP  
Florida-Friendly  
Landscaping  
Certified Professional



Mario R.  
GI-BMP & FFLCP  
Florida-Friendly  
Landscaping  
Certified Professional



# 2021 Florida-Friendly Landscaping™ State Program Award Broward County Water Ambassador

*Florida-Friendly Landscaping™ Program's Outstanding Collaboration (Agent & MGV) award for the development of the Broward County Water Ambassador MGV Team.*

*This award recognizes the Agent and Master Gardener (or team) that have made an outstanding effort in collaborating on projects and activities while working together in their respective roles.*



## Florida-Friendly Landscaping™ PROGRAM

### Broward County Impact Statement

In Florida in 2021, <i>Water Ambassador Program</i> efforts resulted in a combined estimated water savings of	1,671,153	gallons of water annually, based on Extension clients' reported behavior change.
This is enough water to supply nearly	20	households with water per year [based on the average of 88,000 thousand gallons per household per year].
This water savings is valued annually at a total of	\$5,540.73	in water bill savings for participating households [based on the average statewide/regional value of \$X per 1,000 gallons]
and	\$4,352.22	in water delivery costs for utilities [based on the average cost of \$2.60 per 1,000 gallons in delivery costs] statewide.

2021 Florida-Friendly Landscaping Broward County Water Ambassadors  
Residential Inspections & Recognitions  
(12 Inspections/10 FFL Recognitions)



**Estimated water savings:**

1,7 Million Gallons of Water Savings



Jennifer S., GI-BMP & FFLCP  
Florida-Friendly Landscaping™ Certified Professional



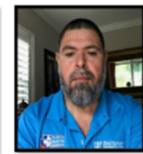
Gerritt S., GI-BMP & FFLCP  
Florida-Friendly Landscaping™ Certified Professional



Amy R., GI-BMP & FFLCP  
Florida-Friendly Landscaping™ Certified Professional



Jeff C., GI-BMP & FFLCP  
Florida-Friendly Landscaping™ Certified Professional



Mario R., GI-BMP & FFLCP  
Florida-Friendly Landscaping™ Certified Professional



Karen W., GI-BMP & FFLCP  
Florida-Friendly Landscaping™ Certified Professional



Janine G., FWS, GI-BMP & FFLCP  
Florida-Friendly Landscaping™ Certified Professional



Shauna B., GI-BMP & FFLCP  
Florida-Friendly Landscaping™ Certified Professional



Katy O., GI-BMP & FFLCP  
Florida-Friendly Landscaping™ Certified Professional



Fred A., GI-BMP & FFLCP  
Florida-Friendly Landscaping™ Certified Professional

*Combined, they have donated a total*

**2,250 Volunteer Hours**



# INTRODUCING RESIDENTIAL FLORIDA-FRIENDLY LANDSCAPING STATE AWARDS

**Florida-Friendly Landscaping™ PROGRAM**

FFL report prepared by Lorna Bravo - Urban Horticulture Agent  
Site Inspection Led by: Anthony Gross - Education Training Specialist & Broward County Water Ambassador Team

**November 2021**

**Proud Homeowners!**



**Project Location: Wilton Manors Florida**



- ✓ Principle #7: Recycle Yard Waste
- ✓ Principle #8: Reduce Stormwater Runoff




✓ Principle #5: Attract Wildlife



✓ Principle #5: Attract Wildlife

<http://sfyl.ifas.ufl.edu/broward/urban-horticulture/>

**Florida-Friendly Landscaping™ PROGRAM**

Lorna Bravo - Urban Horticulture Agent  
Anthony Gross - Urban Horticulture Training Specialist

**July 2021**

**GOLD CERTIFICATION**  
CORAL SPRINGS, FLORIDA



**2021 PILAR LONDONO FLORIDA-FRIENDLY LANDSCAPING™**

- BEFORE/INVASIVE TREE removal of the invasive Bahig wood tree
- AFTER: New additions:
  - Trees: live oak
  - Wild landscaping
  - Green butterflywood



**NO SPRINKLER SYSTEM**

- ✓ This garden is watering by hand only during the dry season and according with water schedule by City of Coral Springs
- ✓ Installed (2) Rain barrels to capture rainwater



**FFL BROWARD IMPACT STATEMENTS**

In Florida 2021, Broward FFL efforts resulted in a combined estimated water savings of	<b>45,744</b>	gallons of water annually, based on Extension clients' reported behavior change
This is enough water to supply nearly	<b>1</b>	households with water per year (based on the average of 88,000 thousand gallons per household per year)
This water savings is valued annually at a total of	<b>\$151.41</b>	in water bill savings for participating households (based on the average statewide/regional value of \$3 per 1,000 gallons)
and	<b>\$118.93</b>	in water delivery costs for utilities (based on the average cost of \$2.60 per 1,000 gallons in delivery costs) statewide.

*"Recently graduating from the Master Gardener Volunteer Program of Broward County, I was exposed to a number of true experts in their field. Access to this expertise allowed me to further develop my native garden habitat and I am now looking forward as a volunteer to promoting greater native and sustainable environments in Florida."*  
MGV Class 2021  
Pilar Londono

<http://sfyl.ifas.ufl.edu/broward/urban-horticulture/>

An Equal Opportunity Institution and Employer

## 1ST PLACE STATE FFL OUTSTANDING BROWARD COUNTY RESIDENTIAL LANDSCAPE AWARD



**The Rios Residence**

## 1ST PLACE STATE FFL OUTSTANDING BROWARD COUNTY RESIDENTIAL LANDSCAPE AWARD



**Firebush Finca**

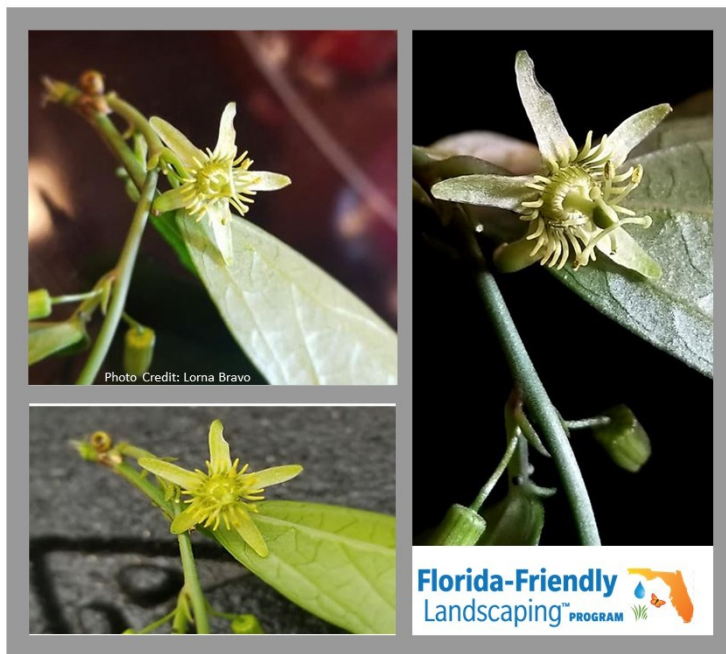
READ ABOUT THEIR FFL  
LANDSCAPING PRINCIPLES



[Winners 2021 - Florida-Friendly Landscaping™ Program - University of Florida, Institute of Food and Agricultural Sciences - UF/IFAS](#)



# Florida-Friendly Landscape Plant of The Month



## Corky stem Passion-flower (*Passiflora suberosa*)

*Corky stem passionflower, Passiflora suberosa, is a passion vine native to Florida.*

### Landscape Recommended Uses:

- ☐ Grow on a trellis or let climb a tree.
- ☐ Grows to about 15 ft.
- ☐ Can also be used as a groundcover.
- ☐ Flowers are small but attractive.
- ☐ Blooms all year.
- ☐ Grown primarily as a larval host plant.

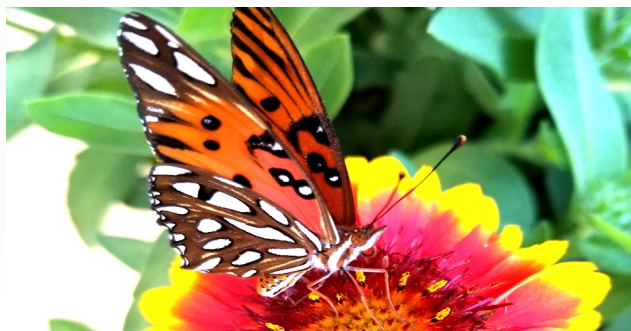
## The Orange & Black Butterfly, The Gulf Fritillary & Host Plants

Plant it, they will come! Plant the alluring purple passionflower, *Passiflora incarnata*, or the Corky stem passionflower, *Passiflora suberosa* or Yellow passionflower, *Passiflora lutea* in your garden and the orange belle butterflies called Gulf Fritillaries appears. This medium butterfly, with upper bright orange elongated wings and black markings are 2.5 -3.7 inches wide and they're in the subfamily heliconinae, aka the "long-wing butterflies." Gulf Fritillaries are of the large family Nymphalidae or brush-foots, as its two forelegs are reduced which look hairy, resembling brushes. Closing its wings, the ventral view, sipping blanket lower nectar, it displays a kaleidoscope of silvery-white or black-lined spots over colors of brown and dark orange, which shows beautifully. Females are generally larger than the males, making the sexes dimorphic, i.e., systematically different. The range of the butterfly is eastern, central US, west to Texas and south to Miami-Dade County though also found beyond the US in Mexico, Central America, the West Indies to South America. This butterfly creates multiple generations a year and in the late summer to fall they migrate to Florida's peninsular using known wildflowers for nectar like spanish needle or salvia. In spring, Florida adults move northward, establishing temporary breeding colonies. To protect themselves from predators, a defense method is emitting a distinct odor, a chemical from abdomen glands announcing they're unpalatable. One biology stage of the white freckles-at-the crown, orange-eyed female, is to find a mate, lay eggs within 14-17 days. She lays yellow eggs singly on leaves, stems, tendrils of host plants thriving in our sandy soil. The dark orange caterpillar or larva will eat its egg casings, and fatten-up munching on host plant leaves for 11 to 16 days. Next the pupa or chrysalis forms into a leaf shape. Sometime later the newly formed butterfly emerges, a delightful sight

-MGV Pat Rossi



UF/IFAS EXTENSION MASTER GARDENER VOLUNTEER PAT ROSSI





# Florida-Friendly Landscape Butterfly of The Month



Host Plant



eggs



Caterpillar



Butterfly

The Gulf Fritillary Butterfly  
A Complete Lifecycle

## Florida-Friendly Landscape Principle # 5 Attract Wildlife

Plants in your landscape that provide food, water and shelter  
will attract Florida's diverse wildlife.



**WATCH OUR VIDEO:** <https://youtu.be/GeJsQf67GI0>

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➤ <https://twitter.com/HortUrban>



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➤ [@facebook.com/urbanhortbroward](https://www.facebook.com/urbanhortbroward)



**FLORIDA  
MASTER  
GARDENER  
VOLUNTEER**



UF/IFAS EXTENSION MASTER GARDENER VOLUNTEER AMY RIELLY



## READ OUR BLOG:

[Provide for Wildlife- The Gulf Fritillary - UF/IFAS Extension Broward County \(ufl.edu\)](#)