



Educating with Extension

Volume 10 Issue 8

UF/IFAS/Monroe County Extension Services

August 2011

Test Your Hurricane Knowledge

Questions

1. True or False: The very first written European account of a hurricane was by Christopher Columbus on his second voyage in 1494.

2. What degree of ocean temperature is required for a hurricane to form?

- A) 75° B) 80° C) 85° D) 89°

3. What is the difference between storm surge and storm tide?

- A) There is no difference.
B) Storm surge is an abnormal rise of water generated by a storm, over and above the predicted astronomical tide.
C) Storm tide is the water level rise during a storm due to the combination of storm surge and the astronomical tide.
D) B & C
E) None of the above

4. Match the category with the level of intensity.

Category	Level
1	Moderate
2	Catastrophic
3	Minimal
4	Extensive
5	Extreme

5. When naming hurricanes, why aren't the letters Q, U, X, Y, and Z used?

- A) The World Meteorological Organization (WMO) forgot about those letters.
B) The WMO's rules are 21 names only, so they left out those letters.
C) Names beginning with those letters are in short supply - at least 3 male and 3 females names are needed for each letter, plus a back-up supply for retired names. (How many men and women do you know whose names begin with these letters?)
D) No one knows why; it's still a mystery to this day.

6. Are there hurricanes on other planets?

- A) Yes B) No
C) Maybe D) I don't know

7. Why do hurricanes hit the East coast of the United States, but not the West coast?

- A) They don't like those "Hollywood types."
B) The water temps in the Pacific Ocean are not as warm as in the Atlantic.
C) They tend to move toward the west-northwest after forming in the tropical and subtropical latitudes.
D) B & C
E) No one knows why; it's still a mystery to this day.

8. Why are hurricanes given names?

- A) Seems like a fun thing to do.
B) To provide ease of communication between forecasters and the public.
C) Names can reduce the confusion about what storm is being described.
D) B & C

9. True or False: In 2004, Tropical Storm Bonnie and Hurricane Charley hit Florida within 24 hours of each other.

10. The majority of hurricane names in the Northeast Pacific region consist of the following:

- A) Flowers B) Animals
C) Birds D) Trees
E) Foods F) Men/Women names
G) Descriptive adjectives
H) All of the above

11. What is the difference between a major hurricane and an intense hurricane?

- A) A major hurricane is equivalent to a category 3, 4, or 5.
B) An intense hurricane is equivalent to a category 3, 4, or 5.
C) There is no difference.
D) Is this a trick question?

12. In what year did the WMO and the U.S. National Weather Service start using both male and female names for hurricanes?

- A) 1950 B) 1965
C) 1979 D) 1981

13. What steps need to be taken when a hurricane warning is issued?

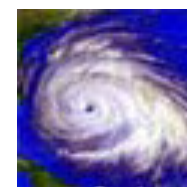
- A) Put your plan into action.
B) Plan? What plan?
C) Panic because you don't have a plan.
D) It's too late to get a plan; either hunker down or hop in the car and head north.

14. Where can I find more information on hurricanes?

- A) Monroe County Extension Services (<http://monroe.ifas.ufl.edu>)
B) Monroe County Emergency Mgmt. (www.monroecounty-fl.gov)
C) The Weather Channel (www.weather.com)
D) National Oceanic and Atmospheric Administration's National Weather Service (www.weather.gov)
E) All of the above!

Answers

1. True
2. B
3. D
4. 1: Minimal 2: Moderate 3: Extensive
4: Extreme 5: Catastrophic
5. C
6. A
7. D
8. D
9. True
10. H
11. C & D
12. C
13. A
14. E



Monroe County Information
Hotline: 800-955-5504

September Happenings

Summer Plant Clinics

Dates for the [Key Largo Plant Clinic](#) are September 7 & 21, from 9 a.m. to noon, at the Murray E. Nelson Government & Cultural Center, 102050 Overseas Highway, Suite 244, MM 102, Bayside, Key Largo.

The date of the [Key West Plant Clinic](#) is September 19, from 1 to 4 p.m., at the Gato Building, 1100 Simonton Street, Suite 2-260, KW.

Monroe County Climate Change Advisory Committee

The next meeting is scheduled for Thursday, September 8, 12:00 to 4:00 p.m., Marathon Government Center, EOC meeting room, 2nd floor, 2798 Overseas Highway, Marathon.

13th Annual Florida Keys Birding and Wildlife Festival

is scheduled for September 21-25 at Curry Hammock State Park, MM 56.2 in Marathon. Check out the website at www.keysbirdingfest.org.

Curry Hammock Paddle-Pedal

September 25. Meet at Curry Hammock State Park's kayak launch at 10:00 a.m. for a four-mile paddle around Little Crawl and Deer Keys. At 1:30 p.m., the "pedal" will begin at the Nature Trail parking area, across U.S. 1 from the park entrance, for an eight-mile trip along the FKOHT. Join the "paddle," the "pedal" or both! Bring a life jacket and/or bike helmet for the ride and/or paddle, as well as sun protection. If attending both events, please bring a lunch. Park fee will be waived for attending either event, but there is a \$10 donation to the Birding & Wildlife Festival for each event.

To register, contact Monica Woll at (305) 853-3571, e-mail Monica.Woll@dep.state.fl.us, or sign up at the FKOHT booth on Saturday, 9/24, during the Florida Keys Birding & Wildlife Festival at Curry Hammock State Park.



Publications

Pruning Palms

Perhaps the most fundamental question to answer when discussing palm pruning is what should a healthy, properly pruned palm look like? Consumers must be educated that palms are supposed to have round crowns, not feather-duster crowns. Learn more with this nine-page fact sheet.

<http://edis.ifas.ufl.edu/ep443>

Healthy Living: Taking Care from Head to Toe

If you have diabetes, pay special attention to your skin, eyes, teeth, gums, and feet. These areas are at increased risk for complications due to your diabetes. Read this two-page fact sheet to learn how you can take care of your body from head to toe!

<http://edis.ifas.ufl.edu/fy886>

Quick Reference Guide: Large Lizards in Florida

The non-native lizards breeding in Florida now outnumber the native species, and there are several large, invasive lizards that are of special concern. This quick reference guide identifies the largest lizards you are likely to see in Florida, and the appropriate action to take in the event of an encounter.

<http://edis.ifas.ufl.edu/uw352>

The Mosquito

It's the height of mosquito season; are they getting under your skin? Mosquitoes are some of the most versatile organisms on earth. They can reproduce in virtually any natural or man-made deposit of water, and have been found in highly polluted water bodies, even in crab holes.

They occur throughout the globe and can survive in most of earth's climates. They can be annoying and some are serious health threats. Learn more in this seven-page fact sheet.

<http://edis.ifas.ufl.edu/in652>



Media Recap, etc.

Doug Gregory spoke on US 1 Radio's "Morning Magazine" and on WGMX's "Morning Mix" about solar water heaters. He also spoke about how the lobster season is progressing, and mentioned that the Southeast Florida Compact Climate meeting will take place in Key Largo in December.

Kim Gabel spoke on US 1 Radio's "Morning Magazine" about beneficial insects.

Alicia Betancourt spoke on US 1 Radio's "Morning Magazine" and WGMX's "Morning Mix" about food safety, food recalls, and food handling.

Millipede

I used to have a millipede;
I kept him for a pet.
I fed him every day at noon
And took him to the vet.

I knitted him a sweater,
And made five hundred pair
Of tiny silken slippers
For my millipede to wear.

And though I treated him so well
He snuck out on the street.
Then muddied up my carpets
When he didn't wipe his feet.



from *Insect Soup: Bug Poems*
by [Barry Louis Polisar](#)

Upcoming Rugose Spiraling Whitefly Workshops

Regional whitefly workshops are scheduled for October, November, and December. To see the schedule, and for more information, go to the main page of our website:

<http://monroe.ifas.ufl.edu>



**Family, Youth,
and Community
Sciences News**
Alicia Betancourt



**Marine &
Green News**
Doug Gregory



**Horticulture
News**
Kim Gabel

Alicia was elected to the Florida Extension Association of Family and Consumer Science Board of Directors to serve as the South District Chair for the 2011-2013 term.

She participated in the Southeast Florida Regional Climate Compact Steering Committee meeting where the technical workgroup draft products were presented for further development toward creating a Regional Climate Change Action Plan that includes mitigation and adaptation strategies.

Alicia acted as staff liaison to the activities of Monroe County's Climate Change Advisory Committee (CCAC) for the August workshop, which focused on the development of the Climate Action Plan. She compiled reports and edits for discussion by the group and revised the document according to their direction.

She met with contractor Cameron Cole to design and develop an Energy Efficiency Strategy. They are currently working on updates to the 2005 Greenhouse Gas Inventory and the development of an Inventory Management Plan.

Alicia and Rhonda Haag, Monroe County Office of Sustainability, worked together to produce grant reports and track grant and match funding for eight grant projects.

She participated in the National Night Out event in Key Largo which is designed to:

- Heighten crime and drug prevention awareness.
 - Generate support and participation in crime efforts.
 - Strengthen neighborhood spirit and police community relations.
- This event was a great opportunity for citizens and law enforcement to partner up against crime, to meet each other and the business Community, and promote family values. Over 100 residents attended and it was a fun and successful night.

Doug assisted in the grant-funded solar water heating pre-bid contractor's meeting with Jerry Barnett, Monroe County Project Management, and Rhonda Haag, Monroe County Office of Sustainability, at the Habitat for Humanity office on Big Pine Key and at the site of residences where the installations will occur.

He organized a workshop of the Monroe County Climate Change Advisory Committee (CCAC) and presented the draft Monroe County Community Climate Action Plan for group revision.

Doug and Rhonda Haag presented a summary of Monroe County's climate-related activities associated with the Energy Efficiency Community Block Grant, the Southeast Florida Climate Change Compact, and the activities of the CCAC to the City of Key West's Sustainable Advisory Board.

He participated in the following climate-related webinars:

- Clean Energy Technologies for Communities by 1000 Friends of Florida with presentations on available alternative energies in Florida.
- University of Florida Climate Variability and Change Planning Team meeting to develop an in-service training for Extension Agents later this year.
- Storm surge modeling by the National Hurricane Center that focused on how storm surges are predicted and used in evacuations.

Doug attended the Florida Keys Commercial Fishermen's Association Board of Directors meeting to discuss ongoing fishery issues related to the lobster and king mackerel fisheries, preparation for the [2012 Florida Keys Seafood Festival](#), the current increase in lobster theft from traps, and discussions with congressional staffers on various bills.

In August, Kim held four Rugose Spiraling Whitefly workshops:

- in Islamorada, with three people in attendance;
- in Key West, with ten people in attendance;
- in Key West for 35 Monroe County Public Works employees; and
- in Marathon, with five people in attendance.

A horticulture informational booth was set up and run by three Master Gardeners at the National Night Out event in Key Largo. Twelve clientele visited the booth.

Kim set up a classroom with Skype connection for a five-week Botany Class for Master Gardeners. The course is being taught by local botanist, Susan Sprunt. Currently, ten MGs are attending the course and three MGs are attending via Skype.

She set up two Rugose Spiraling Whitefly treatment experiments on 15 coconut palms (per experiment):

- ✓ Experiment One – Preventative Treatment is using a vermicompost extract in three methods: control (no treatment), drench (one pint per plant), and foliar spray (one pint per plant).
- ✓ Experiment Two – Infested Treatment is using a vermicompost extract in three methods: control (no treatment), drench (one pint per plant), and foliar spray (one pint per plant).

Results will be revealed at a later date.

Kim and five Master Gardeners held four plant clinics, assisting 12 clientele with their plant and/or insect problems.

She made 14 site visits to:

- ◆ Key West - Slash Pine decline due to lack of water;
- ◆ Summerland Key - Insect ID;
- ◆ Marathon - Citrus Canker ID;
- ◆ Sugarloaf Key - Canary Island Date Palm that had fusarium wilt or petiole blight; and
- ◆ Key West (4), Cudjoe Key (1), and Key Largo (5) - Parasitoid wasp release for control of the Pink Hibiscus Mealybug.

UF/IFAS/MONROE COUNTY EXTENSION

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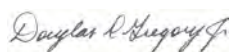
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This newsletter can be accessed online at the following link

<http://monroe.ifas.ufl.edu/newsletter.shtml>



CED: Douglas R. Gregory, Jr.



We're on the Web at <http://monroe.ifas.ufl.edu>

SOLUTIONS
for *your* LIFE

<http://SolutionsForYourLife.ufl.edu>

Extension programs and activities are open to all persons and do not discriminate with regard to race, creed, color, religion, age, disability, sex, sexual orientation, marital status, national origin, political opinions or affiliations.

You may have seen "FAWN" on our website, but do you know what is it?

Yes, it's a baby deer, but that's not what we're referring to here. FAWN is the acronym for the Florida Automated Weather Network, which provides up-to-date weather information through a system of automated weather stations distributed throughout Florida.

Research scientists at the University of Florida work closely with Extension agents to monitor the FAWN system to ensure it provides fast, reliable, and convenient access.

FAWN weather information is critical for agriculture, but it's not just for farmers. Other industries and private citizens have unique uses for FAWN. In construction, FAWN data on temperature and humidity aid in the mixing of concrete and improve prediction of drying times. Anglers use FAWN for reliable, localized information about weather conditions and fishing possibilities.

Overall, there are four parts to the FAWN system: 1) Collecting data; 2) Transmitting the data to the collection site; 3) Processing the data; and 4) Redistributing it to the end user.

FAWN database servers maintained by IFAS Information Technologies receive weather data from remote stations every 15 minutes. The information is processed and made available almost instantaneously through several different search methods accessible through the FAWN web server, as well as an interactive voice-response system. To access the FAWN website, click on this link: <http://fawn.ifas.ufl.edu>.

2012 MASTER GARDENER TRAINING PROGRAM

To find out how to enroll in the training program to become a Master Gardener, log onto our Master Gardener web page at http://monroe.ifas.ufl.edu/lawn/lawn_mg.shtml

ROCK YOU LIKE A HURRICANE

To *avoid* being rocked by a hurricane, be sure to log on to our Hurricane Preparedness web page now for *everything* you need to know about hurricanes and more...



http://monroe.ifas.ufl.edu/families/families_hurricanelinks.shtml

Here are some EDIS publications that contain valuable information when it comes to hurricane preparedness:

- Hurricane Preparation
<http://edis.ifas.ufl.edu/fm128>
- Hurricane Preparedness and Recovery of Computer Equipment and Software
<http://edis.ifas.ufl.edu/ae239>
- Hurricane Preparation: Evacuating Your Home
<http://edis.ifas.ufl.edu/fy747>

Want to be a Sponsor for the 7th Annual Florida Keys Seafood Festival?

To download an application, log onto http://monroe.ifas.ufl.edu/pdf/environment/2012_Sponsor_Application.pdf

or call Vicki at 305-872-9026

E-mail: vickigale@bellsouth.net

UF/IFAS/MCES QUARTERLY CONTACTS

	Jun	Jul	Aug	Total
Phone calls	417	372	431	1220
Office visitors	43	41	35	119
Visits to clients	19	10	18	47
Group teachings	7	9	13	29
Participants	204	180	199	583
Media submissions	9	5	9	23
Publications distributed	470	413	507	1390
TOTAL contacts	1169	1030	1212	3411