



Educating with Extension

Volume 10 Issue 6

UF/IFAS/Monroe County Extension Services

June 2011

How Good is your Green Vocabulary?

QUESTIONS

1. What does "carbon footprint" mean?

- A. The square footage of a house.
- B. How much gas a car uses.
- C. A person or organization's contribution to greenhouse gases in the atmosphere.

2. What is the definition of "vampire power?"

- A. The standby energy electronics consume even when not in use.
- B. The ambient light from parking lots.
- C. The excess power that is generated by the grid at night but not used.
- D. None of the above.

3. What does "photovoltaic" refer to?

- A. Cameras that monitor the machinery in solar power plants.
- B. The field of research that involves solar-power technology.
- C. The amount of energy it takes to power a device using the sun's energy.

4. Choose the correct meaning of "daylighting."

- A. Keeping lamps on all day, even when it's sunny.
- B. Using stored solar power to illuminate a room at night.
- C. Designing a building to take maximum advantage of sunlight and reduce dependence on artificial light.
- D. None of the above.

5. Which of the following is not a potential application for grey water?

- A. Watering plants.
- B. Washing your car.
- C. Washing the dishes.
- D. Flushing the toilet.

6. What is "clean coal?"

- A. Power sourced from methods that reduce pollution.
- B. Part of President Obama's energy plan.
- C. A misunderstanding.
- D. All of the above.



7. You've heard of recycling, but do you know what pre-cycling is?

- A. Recycling an item before you ever use it.
- B. A way for towns to begin recycling municipal waste.
- C. Making purchasing decisions based on choices that will help prevent waste.
- D. A course that helps you get ready to commute to work by bicycle.

8. "Hypermiling" was the 2008 Word of the Year. Do you know what it means?

- A. Tweaking your driving habits for maximum fuel efficiency.
- B. Driving as fast as you can at all times.
- C. Buying a car that gets good gas mileage.
- D. Only using your car for trips of more than two miles.

9. Is afforestation different from reforestation?

- A. Yes. They have nothing in common.
- B. Yes, but they both involve planting trees.
- C. No. They are exactly the same.

ANSWERS

1. **C.** Your carbon footprint is the quantity of greenhouse gas created by supporting your lifestyle, i.e., clothes, food, home, buying habits, travel plans, etc.

2. **A.** Even when you aren't using your electronics, many are still drawing power - think of those little lights on your TV, the clocks on your DVR and microwave, and the phone charger that you keep plugged in even when your phone isn't. Unplugging all your electronics can save you as much as 10% on your energy bill.

3. **B.** It is the field of technology and research related to the application of solar cells for energy by converting sunlight directly into electricity.

4. **C.** Daylighting is the practice of using natural light to illuminate building spaces, rather than relying solely on electric lighting during the day.



5. **C.** Grey water is water you have salvaged after using it for something else, such as washing the dishes, or from taking a shower, or brushing your teeth. It's a great way to save water on your household needs without wasting fresh water - you just don't want to drink it or cook with it.

6. **D.** While clean coal is intended as a label for technologies that burn coal while creating less pollution, there is no such thing as 100% clean coal; no matter how you burn it, the same amount of carbon is released. Many environmentalists consider this term to be an oxymoron.

7. **C.** Pre-cycling happens when you buy an item and make a choice that means less packaging waste - whether that means choosing the bulk cereal instead of the individually-wrapped single-serving boxes or picking up a reusable tote to carry to the store.

8. **A.** Hypermiling includes a variety of actions that help you get the best gas mileage, from driving the speed limit and keeping your tires properly inflated to braking and accelerating gently and taking off the roof rack when you're not using it.

9. **B.** Turning land that was never - or at least not recently - forest into a plot of trees is afforestation. It has been done in Europe on farmlands and in India on 15 million acres. Reforestation is the act of reviving an existing but dying or decimated forest.

Quiz courtesy of
<http://planetgreen.discovery.com>

July Extension Events

GI-BMP Workshop

Media Recap, etc.

Rugose Spiraling Whitefly Workshops

Kim Gabel will present three free workshops in July on the Rugose Spiraling Whitefly, also known as the Gumbo Limbo Spiraling Whitefly.

- **Key Largo workshop** on Wednesday, July 6, at the Murray E. Nelson Government & Cultural Center, 102050 Overseas Highway, in the auditorium (BOCC meeting room), from 2:00 - 3:30 p.m.
- **Key West workshop** on Tuesday, July 12, at the Key West Tropical Forest & Botanical Garden, 5210 College Road, Stock Island, from 6:00 - 7:30 p.m.
- **Marathon workshop** on Monday, July 25, at the Marathon Government Center, 2798 Overseas Highway, from 4:00 - 5:30 p.m.

August workshops are scheduled and listed on the main page of our website, <http://monroe.ifas.ufl.edu>.

Monroe County Climate Change Advisory Committee

The next meeting is scheduled for Thursday, July 14, from 12 noon to 4:00 p.m. at the Marathon Government Center, in the EOC meeting room, on the 2nd floor, 2798 Overseas Highway, MM 47.5, Gulfside, Marathon.

Summer Plant Clinics

Dates for the **Key Largo Plant Clinic** are July 6 & 20, from 9:00 a.m. to noon, at the Murray E. Nelson Government & Cultural Center, 102050 Overseas Highway, Suite 244, MM 102, Bayside, Key Largo.

The date for the **Key West Plant Clinic** is July 18, from 1:00 to 4:00 p.m. at the Gato Building, 1100 Simonton Street, Suite 2-260, Key West.



Florida Statute §482.1562 states that all commercial fertilizer applicators must have a license from the Florida Department of Agriculture and Consumer Services (FDACS) by January 1, 2014.

An upcoming Green Industries - Best Management Practices (GI-BMP) workshop is designed to provide training for anyone working in the lawn, landscape, pest control, or municipal grounds areas.

GI-BMPs are focused on reducing non-point source pollution resulting from fertilization or pesticide application.

The free GI-BMP workshop will be held on Friday, July 22, from 8:00 a.m. to 3:30 p.m., in the first floor conference room at the Gato Building, 1100 Simonton Street, Key West.

Topics will include:

- Overview - GI-BMPs for Protection of Water Resources in Florida
- Lawn and Landscape Cultural and Fertilization BMPs
- Irrigation BMPs
- Fertilizer BMPs
- Pesticide BMPs

The GI-BMP program has approval for two CORE and two additional CEUs in the following licenses: Private Applicator - Agriculture, Ornamental & Turf, Limited Commercial Landscape Maintenance, and Commercial Lawn & Ornamental.

Kim Gabel, Environmental Horticulture Agent, will conduct the workshop. For more information, check out our web page at monroe.ifas.ufl.edu/lawn/lawn.shtml, e-mail Kim at kgabel@ufl.edu, or call her at 292-4504. Pre-registration is required.

Please note: There has to be at least five (5) pre-registrants by Friday, July 15 or the workshop will be canceled.



Doug Gregory spoke on US 1 Radio's "Morning Magazine," WGMX's "Morning Mix," KONK 1500 AM, and Radio Ritmo WPIK 102.5 FM about the June lobster workshops, the fishery council meetings, and the final recommendations regarding the spiny lobster fishery in the Florida Keys.

Kim Gabel spoke on US 1 Radio's "Morning Magazine" and WGMX's "Morning Mix" about the Rugose Spiraling Whitefly workshops she held in Key West and Marathon in June.

Alicia Betancourt spoke on US 1 Radio's "Morning Magazine" about how saving energy saves money.

WHAT YOU CAN DO ABOUT STINGING AND BITING INSECTS

Summer is here. You know what that means: spiders, ticks, fleas, lice, chiggers, mites, scorpions, biting flies, stinging caterpillars, bees, wasps, and fire ants! They all produce venoms that can injure people and pets. Although outdoor control of Florida's stinging and biting insects is difficult, here are some steps you can take to protect yourself and your family:



- ◆ Wear shoes when outdoors.
- ◆ Sweet foods such as soft drinks, ripened fruits, and melons attract many biting and stinging insects - keep the food and drinks covered.
- ◆ Avoid gardening and mowing when bees and wasps are collecting nectar.
- ◆ Keep a prescribed insect sting kit available if past allergic reactions have occurred.
- ◆ Use extreme caution around wasp or hornet nests - they are most active during the daytime hours. If a wasp nest needs to be sprayed, you may do so at night. Call your local pest control official listed in the phone book to remove hornet or yellow jacket nests.





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

Alicia worked with staff to develop a scope of work for additional quotes needed for Task Two and Task Five of the EECBG-SEP Energy Grant. She met with contractors for both tasks to develop an implementation timeline and state reports and administration of the grant including the monthly accounting spreadsheets.

Alicia managed activity of Monroe County's Climate Change Advisory Committee (CCAC) for the upcoming July 14th meeting including dissemination of relevant information, agenda development, and membership updates. She began development of an existing measures document to provide to the CCAC and contractors to educate them on progress toward the goals and actions outlined in the "Sustainability Statement."

Alicia attended the FEAFCS summer board meeting as South District Director. She gathered and reported on agents' highlighted programs and led a discussion of budget concerns for South District agents. She was nominated to represent the South District for an additional two-year term, and was the recipient of the State Environmental Program Award for 2011.

Alicia worked with several high school math and science teachers to review a new program called the Khan Academy and developed recommendations. This online



**KHAN
ACADEMY**

program has individual instruction in over 6,000 math and science calculations and is free for students and teachers to use. It has been widely adopted in the California school system and may be a benefit to Monroe County students.

<http://www.khanacademy.org/>



**Marine &
Green News**
Doug Gregory

Doug attended the five-day Gulf of Mexico Fishery Council meeting in Key West and presented the recommendations of the May Scientific and Statistical Committee (SSC) review of yellowedge grouper and golden tilefish assessments and updated harvest projections for red snapper and red grouper. The Gulf Council adopted all the SSC recommendations.

He organized and conducted a lobster workshop in both English and Spanish to assist commercial fishermen with understanding the proposed lobster regulations and to



attended the workshop and the public hearing.

Doug attended the four-day South Atlantic Fishery Management Council meeting in Key West. The Council voted to evaluate replacing the controversial deepwater grouper closure with specific spawning site closures.

The joint lobster meeting between the two fishery councils resulted in a postponement of the proposed closed coral areas so industry and agency representatives can develop a more effective plan that will better protect the corals while minimizing impacts on the lobster fishery.

Doug participated in a joint meeting with FWC lobster biologists and FKCFCA industry representatives to plan the next stage in testing lobster trap designs that reduce wave and current-induced trap movement during storms.

He participated in a joint meeting with FWC, FKNMS, NMFS, and FKCFCA representatives to discuss the proposed lobster trapping closed areas and the basis for selection of the proposed sites. A consensus was developed that a better plan could be developed.



**Horticulture
News**
Kim Gabel

Kim held two "Rugose Spiraling Whitefly" workshops; one in conjunction with the City of Key West at the Harvey Government Center with 70 people in attendance; and one in Marathon with 16 attendees.

She organized a Master Gardener meeting to see the Rugose Spiraling Whitefly in the Marathon landscape. This allowed MGs who do not have the problem to learn what it looks like and to see it first-hand. Each attendee was provided with Rugose Spiraling Whitefly materials and information.

Kim accompanied a research team from the Homestead Tropical Research & Education Center as they collected samples of the Rugose Spiraling Whitefly at five different sites in Key West.

She released 2,000 parasitoid wasps at eight locations throughout the Keys for control of the Pink Hibiscus Mealybug.

Kim and two Master Gardeners visited Independence Cay in Marathon to meet with the director to view and discuss a new location for an organic garden site.

She received a Certificate of Completion for successfully completing the Core Concepts Module in Integrated Pest Management.

Kim and 12 Master Gardeners held four plant clinics, assisting 14 clientele with plant and/or insect problems.

She made nine site visits throughout the Keys, mostly to identify the Rugose Spiraling Whitefly.

Kim and 15 Master Gardeners and guests took a nature walk on the Silver Palm Trail at Bahia Honda State Park. After the walk, a picnic was enjoyed by all.



UF/IFAS/MONROE COUNTY EXTENSION

1100 Simonton Street, Suite 2-260, Key West, FL 33040
102050 Overseas Hwy., Suite 244, Key Largo, FL 33037

KW Phone: 305-292-4501 KL Phone: 305-453-8747
KW Fax: 305-292-4415 KL Fax: 305-453-8749

General e-mail: monroe@ifas.ufl.edu
Newsletter Editor: Dawn Thomas, Coordinator
This newsletter can be accessed online at the following link
<http://monroe.ifas.ufl.edu/newsletter.shtml>

Douglas R. Gregory, Jr. CED: Douglas R. Gregory, Jr.

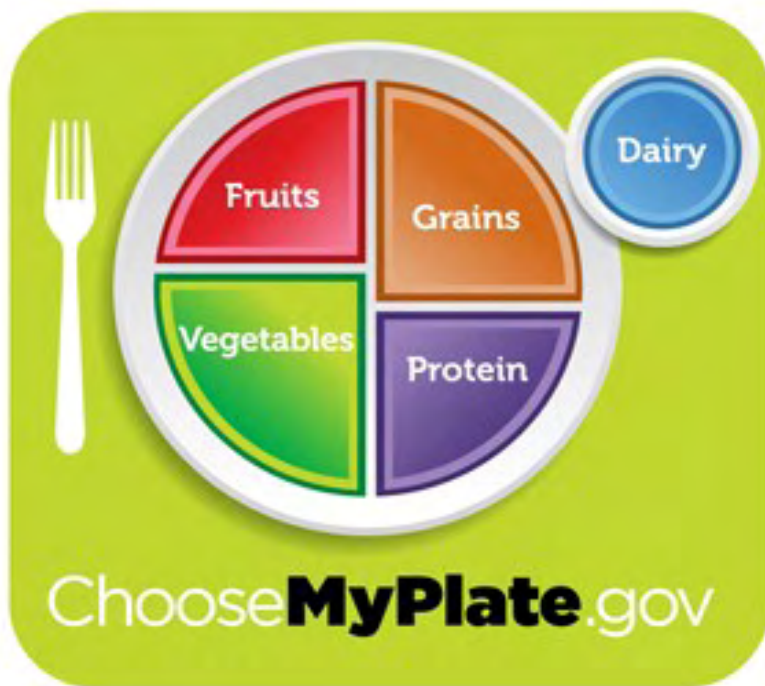


We're on the Web at <http://monroe.ifas.ufl.edu>

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.

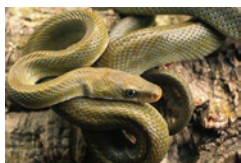


"PLATE" REPLACES "PYRAMID"

After nearly two decades, it's time to say good-bye to the food pyramid. The USDA unveiled a new symbol: a plate. ChooseMyPlate.gov replaces MyPyramid.gov. Although the pyramid won't be officially retired, it will target only nutrition educators for the first time ever. Bon appétit!

edis Publications

Quick Reference Guide: Native Snakes Easily Mistaken for Introduced Constrictors in Florida



Three non-native species of large constrictor snakes are now breeding in Florida, and several others have been encountered but have not yet established wild populations. Use this quick

reference guide for identification of the native snakes you might easily mistake for introduced constrictors in Florida. <http://edis.ifas.ufl.edu/uw350>

Circle Hooks

A circle hook is a fishing hook designed and manufactured so that the point is turned perpendicularly back to the shank to form a generally circular or oval shape. The unique shape of the circle hook keeps the hook from catching in the gut cavity or throat of the fish, resulting in higher survival rates for released fish. Learn more in this two-page fact sheet. <http://edis.ifas.ufl.edu/sg042>



EDIS Publications website - <http://edis.ifas.ufl.edu>

The Bees are a Buzzin'

It's that time of year again when the bees are swarming and causing alarm and panic among many of us. To find out what to do, log on to our insect links web page at monroe.ifas.ufl.edu/lawn/lawn_links.shtml#insects.

Also, look in the yellow pages under Pest Control Services for companies that specialize in bee removal.

2012 MASTER GARDENER PROGRAM

Want to become a Master Gardener?

To find out how, why, what, where, go online to our Master Gardener web page http://monroe.ifas.ufl.edu/lawn/lawn_mg.shtml



UF/IFAS/MCES QUARTERLY CONTACTS

	Apr	May	Jun	Total
Phone calls	385	463	417	1265
Office visitors	38	39	43	120
Visits to clients	19	46	19	84
Group teachings	10	11	7	28
Participants	379	545	204	1128
Media submissions	7	7	9	23
Publications distributed	384	364	470	1218
TOTAL contacts	1222	1475	1169	3866