Tips for Helping Your Lawn Beat the Heat

By Jane Morse, UF/IFAS Extension Agent, Pinellas County

It’s summertime and the livin’ may be easy if you like your fish jumpin’ and your cotton high a la George Gershwin. Not so much with Florida’s grass lawns. This is the time of year when bugs, disease and nutrient deficiencies can really take their toll on yards and homeowner nerves. Here are a few tips to help your grass survive the weather.

If it looks stunted, yellowed, wilted or dead, the culprit may be chinch bugs, which love sucking the juices from St. Augustine grass. If you notice yellowish to burnt-brownish patches along sidewalks or in dry areas, part the grass and look for moving insects on plants and in thatch (the dead grass on top of the soil, but under the growing grass). The easiest way to find them is to push a handheld vacuum down into the thatch in several areas, then empty the filter and look for chinch bugs. The adults are about 1/5 inch long, black with white patches on wings which fold over their back. The young nymphs are easiest to see as they are reddish-orange with a white band that runs horizontally across the back.

If chinch bugs are found, spot treat the damaged area and a five-foot area surrounding it. Rotate the chemicals used by their chemical class (carbamate, pyrethroid, neonicotinoid and organophosphate) for each life cycle, which is about six weeks. Remember that the pesticide label is federal law so follow it exactly.

For in-depth information, go to this University of Florida website: http://edis.ifas.ufl.edu/lh036

Other things you can do to help control chinch bugs include reducing the amount of water soluble nitrogen fertilizer used; mowing at the highest recommended mowing height; and minimizing thatch buildup.

Another possible offender is the tropical sod webworm, which is active in this area from April through November. Damage usually begins with small patches of about one to three inches in diameter after which larger brown patches may form. The grass may look ragged and irregularly-shaped. You may also see small green frass (caterpillar poop) on the ground. The larvae curl up in the soil during the day and come out at night to feed. Newly-hatched larvae chomp away at the grass blades until only veins remain, while older larvae chew on the grass blades near the soil surface. Webworm adults are small tan to gray moths with a wingspan of an inch or so. Look for them at dusk. The moths won’t harm your grass, but the eggs they lay will hatch in about a week and then the damage begins. For in-depth information see this publication: http://edis.ifas.ufl.edu/in608

Lawn diseases we see during the summer include take-all root rot, pythium root rot, gray leaf spot, and cercospora leaf spot. There are many steps in the disease process and all depend on environmental conditions. Disease control is aimed at altering the environment so it is less favorable for disease development (for example, prolonged leaf wetness promotes disease); suppressing pathogen growth; and decreasing stress on turf grass.

The three steps in lawn disease management are correctly identifying the disease, identifying the conditions that promote disease development, and using management techniques that will alter or reduce these favorable conditions. Management should rely on cultural practices first, with fungicides applied as a last resort.
The Green Leaf is published by Pinellas County Extension for Master Gardeners and others. The monthly newsletter depends on submission of articles from Master Gardeners, Extension staff and other authors.

Please submit articles and photographs to cscaffidi@co.pinellas.fl.us

The Green Leaf and archives are available on-line by clicking on newsletter.

MANAGING EDITOR:
Chuck Scaffidi, MG
Volunteer

We are especially appreciative of staff, MGs, and others who contribute articles, events and other items of interest to The Green Leaf each month. Please submit by the 20th of each month. This will help us assemble and publish the newsletter in a timely manner. Articles should be 700-800 words or less. If you would like a copy of any photograph printed in the newsletter, contact MG Editor Chuck Scaffidi at 727 582-2117.

cscaffidi@co.pinellas.fl.us

These include selecting the proper grass, mowing at the correct height, watering only when the grass starts to wilt and in the early morning to coincide with dew, using a balanced nitrogen and potassium fertilizer, and reducing thatch and compacted soil. Remember that every maintenance practice has an impact on grass health.

Lawns that were fertilized with nitrogen in the spring but begin to yellow in the summer probably need iron. While iron cannot replace other required nutrients, such as nitrogen, it can be an important factor in a fertilizer plan, particularly where soils have a high pH (alkaline). Usually adding iron to the lawn will green it up. Apply two ounces of iron sulfate per three to five gallons of water per 1,000 square feet of lawn. The effect only lasts two to four weeks so repeat applications are needed for summer-long color.

Mowing correctly is extremely important for lawn health. It is vital to mow at the highest height for your grass species. Most St. Augustine grasses should be mowed at 3.5 to 4 inches high. Never remove more than a third of the leaf blade at any one time (i.e., if the lawn is mowed at a four inch height, it can get to six inches before mowing). Keep mower blades sharp as dull mowers tear the leaves and make them more prone to insect or disease attack. Only mow the lawn when it is dry. Mowing wet lawns is dangerous for you, tough on the mower and bad for the grass.

Summer can bring all kinds of problems to your lawn, but the right fertilization, mowing and watering can greatly improve the health of your lawn.

The Pinellas County Extension is just a phone call or visit away. If coming in, bring a lawn sample for an easier diagnosis - a one-foot square of the transition zone is best. We are located at 12520 Ulmerton Road, Largo next to the Florida Botanical Gardens and open from 8 a.m. to 5 p.m. Monday through Friday. To speak with a horticulturist call 727-582-2110 Monday, Tuesday or Thursday from 9 a.m. to noon and 1 to 4 p.m.

You can also visit our website at www.pinellascountyextension.org or find answers to frequently asked questions at www.askextension.com.

The Help Desk Needs You!

If you are a Master Gardener graduate - from a recent class or a while ago - the Extension's Help Desk could use your time and expertise. Every week day there is a steady stream of home gardeners needing assistance identifying a plant (should they keep it?) or a weed (how do they get rid if it?) or asking any one of hundreds of other questions. This can be a satisfying way to put to use all you've learned and be a part of the Florida Botanical Gardens. Give Theresa Badurek a call at 582-2109 if you want to learn more about getting involved.

It also feels good to solve mysteries for home gardeners. As Wayne Ayers, the Heritage Village liaison to the FBG Foundation shared recently: "I asked one of the Extension volunteers about a flowering plant that my wife Nancy had been picking on our walks along Gulf Boulevard and putting in a vase. She had been very curious as to what it was as she thought it was very pretty and was growing in a vacant lot. The volunteer took the time to look through several books on weeds and was finally able to identify it. How helpful and accommodating he was! He made Nancy's day as she had been trying for some time to find its origin. By the way, our mystery plant is a Cupid's shaving brush."

Andy Wilson Horticulturist and Jane Morse Extension agent identify the walk-in's
Finding a Durable Native Plant

By Christina Thorn, Volunteer

Native plants in general drought adapt to a variety of landscaping conditions. Watering is needed until established or if in draught conditions. Some of us who try persistently to love and cherish plant life, to make the effort to follow all of the gardening rules and converse with flowers as if they were our favorite cousin frequently are left disappointed in the resulting response. Don’t panic! There is a solution. The Sabal minor, or dwarf palmetto, has an unbelievable tolerance in that it shows no prejudice between the sun and shade; it handles the mix of the two quite well. Also, the cold winters will not damage the Sabal or your efforts. Living in Florida, there are salty beaches everywhere of which the Sabal is moderately tolerant.

This trunkless palm, with a fan-like appearance, carries anywhere from 8 to 20 leaves which have a flat to slightly folded shape. When the grandchildren want to touch the leaves, the tight grip of a little hand won’t damage the plant or the child. This dwarf palmetto doesn’t even attract pests. Wait a minute…is there a difference here? One concern the Sabal may have is a cosmetic fungus called Graphiola false smut which is easily visible on the older leaves and not life threatening. The Sabal’s black colored fruit is 3/8” in diameter and ripens in the fall. It can be enjoyed by a variety of wildlife.

One reason the Sabal minor might be under used in landscaping is because the white flowers are hidden resulting in a bland affect at first appearance. So, here is an idea: the red maple is a companion of the Sabal minor. The red maple’s leaves are scarlet red in the fall. Placing a 6 foot red maple in the center of a circle of 4 foot Sabal minors in the fall to winter season could easily assist in preparation of the Christmas holidays. White colored Christmas lights on the Sabal minors will enhance the blue-green tint in their leaves and promote the scarlet red of the red maple. Trailing the lights up the trunk of the red maple may also be attractive.

If you are one of those individuals who, out of frustration, can’t attract a plant that will endure your idiosyncrasies and love you anyway, consider the Sabal minor.

Walk the FBG Tropical Walk and You May Find Other Plants that Meet Your Fancy
By Jude Bagatti, MG Volunteer

I have gathered ripe berries at U-Pick-Em strawberry fields around Homestead, FL, and savored my favored blackberries plucked from wild bushes in Anacortes, WA. Several years ago I became acquainted with the goji berry, known commonly as wolfberry. Native to SE Europe and Asia they grow wild in the UK, but China is the world’s main goji supplier. The tiny red, oblong “superfruit” ripens July to October and contains abundant anti-oxidant nutrients. I sprinkle them in dried form on cereal. Found in health food shops, they are used in juices, teas, tonic soups and wines, but true to my taste bud idiosyncrasies, I managed to find them embedded in chocolate chunk treats.

Across America this month, record high heat waves have broiled the country in triple digit temps causing havoc and death. The Medicine Wheel of Sun Bear has turned to the “dog days” of mid-summer, as the Ripe Berries Moon, second of the Moons of the South, waxes. Again, Shawnodese, wielding powers of growth and trust, is the Spirit Keeper. The animal is the coyote, the season is summer, the time of day is midday, and the colors are yellow and green.

“People born at this time are Sturgeon people. Their plant is the Raspberry, their color is Red, their minerals are Iron and the Garnet, and their elemental clan is the Thunderbird Clan. Like the Sturgeon, these folks have an inner strength and the ability to see through things. They try to avoid confrontations, but will fight when cornered. They are active, dominant, powerful, courageous people, although they also have a playful side. They must learn to curb a tendency to be too dominant and to seem arrogant.” Ripe Berries people are the counterparts of those born in the astrological sign of Leo.

So why are these horrid, torrid days called “dog days?” Blame it on Sirius, the brightest star in the big dog Constellation, Canis Major, and the brightest star in all the night sky. Ancients believed that since Sirius rose with the sun, it added to the day’s heat. Because the Romans believed the star was to blame for hot, sultry weather, they sacrificed a brown dog to appease Sirius’s heated rage. Those dog days were evil times: the sea boiled, wine soured, dogs grew mad, and all creatures became languid causing men to suffer disease, burning fevers, hysterics and frenzies. In Egypt, Sirius appeared just prior to the Nile’s flooding season, which also brought extreme heat, so the star was kind of a “watchdog” for that event.

Whether you believe or doubt that humankind is affecting climate change and global warming, may you find relief this summer from the raging heat, either meteorological or political. Just chill and be cool (in both senses of the terms).

Contact Jude at 727-322-6211 or heyjudebagatti@msn.com.

A Garden Visit

By Debra Kramer, FBG Volunteer

On a recent visit to the Naples Botanical Garden, I was struck with its sophistication. This new Florida botanical wonderland has only been in its current location for 3 years and yet it already has a mature, impressive style. It is a garden version of EPCOT minus Mickey Mouse.

Geographically distinct gardens designed by different landscape architects are placed around a central lavish waterfall (see photo page 6). Each self-contained area beckons you with water features, beautiful hardscaped paths and location-specific foliage. Take the Asian Garden for example. Within that garden you find a Balinese shrine and Thai pavilion nestled among the plants and trees. You feel transported to an Asian country.

Volunteers were stationed in the various gardens to share their knowledge and enthusiasm. There are plans to open a new visitor center and more garden sections are being designed. The goal is to create one of the premier botanical gardens in the country, and they are well on their way.

Alas, the FBG Foundation membership card was not accepted for free admission. Don’t let that stop you from visiting this beautiful, classy garden that on any given day is dressed for success. For more information the web site is www.naplesgarden.org.
Florida Botanical Gardens Foundation Update

By Chuck Scaffidi, FBG Foundation President

The next Foundation Board meeting is September 12. You may attend a board meeting as a guest to get a better understanding of our organization and goals then hopefully you will choose to become a board member.

If you have any questions, concerns or suggestions, I am always happy to have a visit in the Volunteer Office or chat via email (cscaffidi@co.pinellas.fl.us) or at 727-582-2117.

Theresa Badurek and I (Foundation) are working on a co-operative effort to support up-coming events. This is a call to MGs and all volunteers that work in the gardens. MGs contact Theresa and other volunteers call Chuck.

Volunteers needed!! Your ideas to show case the FBG, helping to “clean-up” the gardens, and guiding tours will be greatly appreciated. MGs follow Theresa’s Weekly digest for continuing up-dates and details.

And don’t forget, planning for the “Holiday Lights in the Garden” November 23, 2012 through January 1, 2013, every evening from 5:30pm to 9:30pm, continues and we will need many, many volunteers. FBG Foundation board members also plan two other special events that occur during the Lights. A Gift and Plant Sale is planned for December 9 from 10:00am to 4:00pm; and a Dog Parade will be held on December 29 at 1:00pm.

This year marks Pinellas County's centennial celebration and UF/IFAS Extension's celebration of 150 years of the Land Grant University! Also, the MG Conference this year will be held in Clearwater Beach in October.

Pinellas Centennial / Extension 150th Celebration, Sept. 15th (11am-5pm) and 16th (11am-5pm)
-We need a couple of MGs who work in the Community Vegetable Demo Garden to be onsite to answer questions and talk about the garden and growing veggies. Shifts are 11am-2pm and 2pm-5pm, and you are welcome to sign up for all day if you like. Two MGs per shift would be ideal.
-We plan to have the Help Desk open and MGs who work the Help Desk on hand for this as well. Shifts are 11am-2pm and 2pm-5pm, and you are welcome to sign up for all day if you like. Two MGs per shift would be ideal.
-We need more volunteers to staff Extension and Florida Botanical Gardens booths at the Gulf Coast Fishing Museum (former Gulf Coast Museum site), as this will be the central location for the event. Shifts are 11am-2pm and 2pm-5pm, and you are welcome to sign up for all day if you like, again, two MGs per shift would be ideal.
-We need Master Gardener and volunteer tour guides! These would be short tours (about 30 min.) of the gardens near the main event site - mainly the formal gardens for sake of time. If you have ever considered giving garden tours this is a great opportunity to try it out! It could also be a great warm-up or practice run if you are interested in leading or helping with the tour for the Master Gardener conference on September 30th (see Page 6 for more info)! Exact sign-up times are not yet posted as the tour times are still to be determined.

BOTANICAL BOUNTY BARGAINS

The FBG Foundation’s Botanical Bounty Gift Shop is offering reduced prices of 30%-50% on select items, from books to bracelets. There are also plans to have the shop open and a sale table at the Pinellas County Centennial Celebration on Saturday, Sept. 15, Sunday, Sept. 16 and for the IFAS Conference tour day on Sept 30. Details to follow!
Participants should wear comfortable clothing and walking shoes and be prepared to walk a considerable distance between the two sites. Be sure to bring sun screen, hats and rain protection.

Waterfall at Naples Botanical Gardens

(Article on page 4)

I love the mosaic above the falls. Do you think we can create one for our Tropical Walk waterfall? -Chuck
We're Tweeting Up a Storm

To see what our followers are saying, click on the Twitter icon and follow a couple of simple steps. It's fun, and a great way to keep up with FBG news between Green Leafs.

Maybe we can even get a botanical conversation going. Share gardening tips. Ask gardening questions. Tell us how wonderful the Gardens are looking. (All "attaboys" gratefully accepted.)

Facebook Fans Share Their Gorgeous Garden Photos

When you visit the Gardens and take fabulous photos of our trees, flowers, herbs, tropical fruits, butterflies, birds, and maybe even an alligator, please share them on our Facebook page. We’re getting more and more fans all the time. If you haven't signed up, it’s easy to do. Use the link above and click on the f connect symbol. Become a fan today so that you can view visitor photos and comments. You can also share your experience at the gardens on the “Wall.”

Volunteer Benefits

New Incentive for Volunteers Working for the Parks and Conservation Resources Department!

Volunteers who work **100 hours** in the department starting from October 1, 2011, may earn an annual parking pass usable at the three beach parks where the County collects a parking fee – Sand Key Park, Howard Park and Fort De Soto Park. The pass is registered to one vehicle license number and must be on display when parked at the beach parking. The annual pass normally costs $75 or for seniors $55.

The volunteer must be registered with the county, report their hours worked for Parks and Conservation Resources and request the VSP report of their hours from their Volunteer Coordinator. That report will be used as a voucher for the pass. The pass is good for one year from the issue date. One pass per year per person may be earned.

**Nancy Brown**, Volunteer Program Coordinator, 582-2460

**Chuck Scaffidi**, FBG Volunteer Coordinator, 582-2117. For FBG VSP users I will run the report for you.

**Update!!**

Master Gardener Volunteers (and other Parks volunteers) are now eligible for a Seasonal Beach Parking Permit after completing 40 hours of volunteering this fiscal year (starting October 1st) within Parks and Conservation Resources- which includes your Master Gardener hours. This came about as a response to requests made by some of our snowbird volunteers who have a hard time accruing the 100 hours for the annual pass in the shorter time that they are here. If you are interested in more information about this please let me know!
Volunteer Opportunities and Announcements

- **Help Desk Urgent!** Spring is a busy time. Please take a look at the help desk calendar on VMS and see if there is a time that works for you. Also, if you are a regular at the help desk already, please be sure you are signing up in the calendar to avoid scheduling confusion.

- **Maintenance Help Urgent!** Extension needs more help with maintenance activities in our demonstration gardens. Everyone is working hard but weeds are still winning. Please talk to Bob Albanese to see what you can do if you are available.

- **MGs needed**—MG Sally Ervin is looking for help at Loews: MGs that would like to volunteer at the Clearwater Lowe's outreach Extension table on Saturdays anytime from 10-2 (can be 1 hr to 4 hrs) should e-mail Sally at servin307@hotmail.com. Lowe's is located on Gulf to Bay near US19.

- **Master Gardener Conference**—Sept. 30th - Oct. 3rd
  - This is also a great way to interact with other MGs from all over the state.
  - **Stuffing Conference Bags** Sunday before the conference Sept. 30. About 10 volunteers needed to stuff the participant bags. Takes about 1.5 hours.
  - **Staff a welcome table at the hotel** on Sunday Sept. 30th to recommend eating options, opportunities for shopping and sites to see.
  - **Volunteers to help with tours acting as bus captains and resource people.**
  - **Provide a special garden tour** for those folks attending the Florida Botanical Gardens pre-conference tour on Sept. 30th at 2pm.

**Education**

- **MG Update**—Wed, Aug 8, 9am-noon. Deputy Borland from the Pinellas County Sheriff's Office. Deputy Borland will be teaching us about personal safety. There will also be a diagnostic plant session with Andy to follow. Potluck event also. Please bring a favorite dish to share. bring your own plate, cup, etc.

- **Yard Tour**—Suspended for the summer. Resumes in September.

- **Earn Continuing Education Credits**—Extension classes:
  - Please register at: [http://pinellas.ifas.ufl.edu/calendar.shtml](http://pinellas.ifas.ufl.edu/calendar.shtml)
  - MGs can earn up to four continuing education credits. Modules at: [http://gardeningsolutions.ifas.ufl.edu/mastergardener/outreach/plant_id/index.shtml](http://gardeningsolutions.ifas.ufl.edu/mastergardener/outreach/plant_id/index.shtml)
  - For instance, one CEU can be earned by studying the plants and earning a passing score of 80% on the “Test Yourself” feature. Once a score of 80% has been reached, print the page and submit it to the volunteer office.

- **Palm Harbor Library MG Class Series**—Classes are offered on the second Thursday of the month from 2:00-3:30 p.m. and from 6:15-7:45 p.m. at the Palm Harbor Library, 2330 Nebraska Avenue. To register, go to [http://pinellas.ifas.ufl.edu/](http://pinellas.ifas.ufl.edu/), click on the Take Action “Register for a program tab” and then click “Extension Service.” You may also call 727 582-2100.

- **St Petersburg Community Library MG Class Series**—Classes offered free at the main branch of the St. Pete Library located at 3745 Ninth Avenue N. To register, go to [http://pinellas.ifas.ufl.edu/](http://pinellas.ifas.ufl.edu/). Click on the Take Action “Register for a program tab” and then click “Extension Service.” You may also call 727 582-2100.

- **Extension Classes**—Visit Extension’s on-line calendar for a list of classes that are being offered free to MGs, volunteers and FBGF members with a membership card. All others pay a nominal fee. You can register on-line.

- **“Planting Pinellas” visit blog** [http://plantingpinellas.blogspot.com/](http://plantingpinellas.blogspot.com/)
Thank you all for all of the great work you have been doing in the gardens and throughout the community even while I am on family leave. I have returned this month part time. Please follow my weekly digest and the newsletter to learn about the many exciting volunteer opportunities. Theresa

Volunteer Opportunities and Education Continued

- **Adult Ecology: Plant ID Series** - *Plant ID Series that will run every other Saturday until August 11th. Come to four out of the five classes and receive a certificate of completion for your dedication and accomplishment.* [http://brookercreekpreserve.eventbrite.com/]

- **The UF/IFAS Entomology and Nematology Department is releasing 30 computer-verified training tutorials on arthropods as FREE downloads.** These tutorials are useful for training master gardeners, pest control technicians, agricultural workers or students in any setting requiring knowledge of arthropods. Even homeowners can profit from the information and photographs provided by these tutorials. Florida, West Virginia and Vermont also authorize all or many of the tutorials for CEUs to renew pesticide application licenses or for required training of technicians. These tutorials will install on any Windows operating system, but will not install on the newer 64-bit systems. This is the main reason for releasing these tutorials for free use. The tutorials cover beneficial arthropods, household and structural pests, medically important arthropods, occasional invaders, landscape and agriculturally important arthropods. Currently 16 Bug Tutorials are now available for FREE downloading. Others will be available soon. There are also 7 previously-released FREE Label and Core tutorials on how to read pesticide labels. These are also authorized for CEUs. Visit the department's Buggy Software Web at: [http://entnemdept.ifas.ufl.edu/fasulo/pests/software/det_bugs.htm](http://entnemdept.ifas.ufl.edu/fasulo/pests/software/det_bugs.htm)

To get your MG CEUs simply print out your results page with a passing score (90% or above) or copy and paste into an email and send it to Theresa for credit!

- **The Clearwater East Library is looking for a MG speaker to present gardening programs** Start times can range from 1 pm - 3 pm to suit your schedule. Saturdays available in September and October if you like to really plan ahead! Some of the topics they are interested in are: herb gardening, composting, and natural pest and disease control.

- **A new assisted living facility in the Clearwater/Dunedin area is looking for help in getting a garden club started.** This project could be as involved as you like and they are even interested in doing some therapeutic gardening with some of the residents.

- **A science teacher at Sanderlin Elementary School is looking for an MG consultant to help her start a native plant garden.** She is interested in any kind of advice and support you can provide- even over the phone or email if necessary.

- **Fellow MG Marie Singer needs your help at Largo High School!** Due to health concerns she must retire her volunteer position. She has dedicated years of her blood, sweat, and tears to this school and would love to see another MG get involved. It's a great school and not far from Extension. Here is a message from Marie to you: "Largo is where I graduated in 1959. All 3 of my kids went there so I feel a special bond with the school and staff. I hope someone will at least keep up my gorgeous butterfly garden. I have put a fortune of my own money plus my mentors have been very generous with plants, etc. I will walk you through it and see you have a gate key and a water key. You must use your own tools, you can get lunch on campus or at a nearby facility. Spend as little or more of your time with this job. I loved it and I'm so sorry I cannot continue. But I will show you all of the beds I have designed and built. All will be in good shape when I leave." Marie. Contact: mfhsingr@verizon.net

- **Help is needed to prepare the soil for fall gardens at the Ochs 4-H Garden.** Call Barb Orr at 593-5805 or Brenda Payne at 391-8668 to set up a time. We work a few hours in the morning before it gets too hot. Several Master Gardeners are needed to work with the children. If you are interested, contact Jean Rogalski at the 4-H Extension Office. The children will begin planting the first part of September. Children are given a 10’ x 10’ plot. It is a fun experience to see how the children learn to grow and harvest their own vegetables.

See Theresa for more details: 727-582-2109, tbadurek@pinellascounty.org
Thanks to Local Nurseries, FBGF Members and MGs Can Save $$ When Beautifying Yards

One of the benefits of Foundation membership and being a certified Master Gardener is getting a 10 percent discount at several local nurseries. Just present your FBGF membership or MG card. We will continue to contact nurseries in the area to secure additional participants. Support our friends at:

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<tr>
<th>Art Stone Orchids</th>
<th>Country Club Nursery</th>
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<tr>
<td>3611 Tyrone Blvd, St. Petersburg 727-345-6733</td>
<td>9850 Starkey Road, Largo, 727-397-4438</td>
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<tr>
<td>6001 Haines Road, St. Petersburg 727-742-8499</td>
<td>Note: * (10% off all purchases) 6260 Seminole Blvd, Seminole</td>
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<td>6095 Haines Road North, St. Petersburg 727-525-9640</td>
<td>6831 Central Ave., St. Petersburg 727-344-1668</td>
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<td>450 Riviere Road, Palm Harbor</td>
<td>6230 102nd Ave. N, Pinellas Park 727 545-9619</td>
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<th>Twigs and Leaves</th>
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<td>1171 Tarpon Springs Rd, Odessa 813-920-2153</td>
<td>2131 Central Ave., St. Petersburg 727-822-5400</td>
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<td>4401 49th St. N, St. Petersburg 727-522-2594</td>
<td>12501 Indian Rocks Road, Largo 727-595-2073</td>
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<td>5063 Dartmouth Ave, St. Petersburg 727-321-4599</td>
<td>4730 CR 16 St. Petersburg, FL 33709 727-347-2915</td>
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Note:* Only FBG Foundation membership applies
• Horticultural Education
• Volunteer Opportunities
• Community Announcements

Thank You, Volunteers!!
2012 August Dates to Remember

■ MG Update-Aug 8-Pinellas County Sheriff’s Office. Personal safety

■ Pinellas County Centennial Celebration and UF/IFAS Extension’s 150 Year celebration-Sept 15-16

■ Florida MG Continued Training Conference Tours-Sept 30

■ Florida MG Continued Training Conference-Oct 1-3

MG Plant Clinic at the Palm Harbor Library –Wednesdays from 10 a.m. to 2 p.m. Master Gardeners offer diagnostic services along with information about identifying plants, treatment for insects and ideas for Florida-Friendly landscaping.

For details on some of the events listed go to the calendar on the Pinellas County Extension Lawn & Garden website: http://www.pinellascounty.org/scripts/publish/webevent.pl?