Whitefly Invasion

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

Did you know that in 2009-2010 twenty-seven new pests were reported in Florida? Any new pest brought into our state can cause cataclysmic effects in the landscape. Often, when new pests arrive they can reach very high populations and can be extremely damaging. One such new insect pest is the rugose spiraling whitefly. Whiteflies are small, winged insects that belong to the Order Hemiptera which also includes aphids, scales and mealybugs. These insects usually feed on the underside of leaves with their “needle-like” mouthparts.

Whiteflies can seriously injure plants by sucking nutrients from the plant causing wilting, yellowing, stunting, leaf drop, or even death. There are more than 75 different whiteflies reported in Florida.

This rugose spiraling whitefly (Aleurodicus rugioperculatus) has a very broad host (what it feeds on) range from palms to woody ornamentals to fruits. Thus far it has been seen on gumbo limbo, black olive, copperleaf, broadleaf arrowhead, cocoplum, Brazilian pepper (yeah), wax myrtle, live oak and mango. Affected palms include areca, Veitchia species and coconut. More hosts will probably be added to the list of plants attacked by this whitefly.

These whiteflies are large. They are usually 3 times larger than other whiteflies that occur in the U.S. and are also slower moving. What makes them easy to spot is the spiral pattern made on the leaves by the female whitefly as she lays her eggs and deposits a white, waxy substance on the eggs. The other identifying characteristic is the copious amount of “honeydew” (a sugary substance) produced. This waste product causes the growth of “sooty mold” which looks like black soot. This mold is not harmful to plants, but it can reduce the amount of light that the plant receives.

Although it may be necessary to use insecticides for this pest, it is very important to understand the importance of natural enemies and the need to focus on long-term, biologically-based management. Protecting natural enemies is a critical part in the long-term control of this pest. Broad spectrum or persistent insecticides often kill a high percentage of predators and parasites, especially when applied as a foliar spray.

Once the insect is identified, it is important to inspect plants frequently for early signs of an infestation. Small infestations may be managed by washing plants off with water. Use of a horticultural oil or insecticidal soap can help control this pest, but avoid application during high temperatures as they can cause plant damage. If the infestation is large, an insecticide may be needed to control the whitefly population.

Misuse or overuse of any insecticide can cause problems such as insecticide resistance, secondary pest problems, environmental contamination, and detrimental effects on non-target organisms (beneficial insects). The site and method of application must be on the insecticide label. Always follow the label directions as it is a Federal law and it is in place to protect you and the environment. If several applications of insecticides are necessary, be sure to rotate among the different chemical classes (pyrethroid, carbamate, neonicotinoid, organophosphate, botanical, etc.).

For a list of insecticides visit: http://tinyurl.com/7x6wbhr or contact your local Pinellas County Extension Service at 582-2100.
**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**

---

**By Christina Thorne, Volunteer**

**Flora Leads the Way** ……through an adventure of age appropriate botanical stations from which children can learn. The first 2 stations are entitled the “Butterfly” and “Tropical Fruit” stations. Follow the cute stepping stones, of course the ones with the butterflies on them, as they circle around the station. An educational chart of the life cycle of the butterfly simplifies the learning process for the younger children. Turn around and exit the same way you entered and turn left at the parking lot. When you locate the “Tree” and “Wildlife” stations’ sign, you will be headed down the wooden walkway toward the water. Squirrels will follow and spiders will sit in their webs. Hopefully, the gators will sit instead of follow! Ducks, fish, bugs, and noisy birds are all waiting for you. Mom and Dad, as you pass by the water, take a picture of the kids in the butterfly chair. It is between the Canary Island Date Palms (Phoenix canariensis). If you choose the direction of the “Wildlife” station, the water will be on your right. A memorial will be on the left dedicated to those who suffered from the 9/11/01 attack on our Nation. Keep walking and you will meet up with a bed full of prickly things. Try and guess what they are…? The “Wildlife” station finally appears with another educational chart to go with it; turtles, frogs and dragonflies that fly backward and forward at 35 mph. Hey kids, take a look through the telescope and let mom and dad sit and take a breather in the purple chairs. Toward the left is the entrance to the Bromeliad Garden where the restrooms are located. Exit underneath the Tropical Garden Arch and follow Flora to the “Tree” station. Now the water is on the left and the jungle-like trees on the right. The children have a choice whether or not to take notes for a potential science project by familiarizing themselves with the Native Plants chart. Cross another wooden walkway on the right and end up at the “Tree” station. Don’t forget to look at that chart too! Exit the “Tree” station the way you entered; however, keep walking over the bridge with the nest boxes. Flora will inform you that the “Tropical Fruit” and “Butterfly” stations are close by. That is how you know you are not lost. The “Tropical Fruit” station is obvious. Ice Cream Bananas make me want a banana split! One of the exits will lead you to a drinking fountain. The Gazebo is close by and is a beautiful background for a family portrait. The children are almost finished at this point; consequently, Flora leads them back over the bridge with the nest boxes. The rest is familiar enough, giving way to the Gift Shop on the way out. Well, kids, Flora is over here at the Botanical Gardens waiting for you.
Beauty in the Reservoir

Contributing color to the calm of the reservoir,
Lily pads float in harmony resisting to submerge.
Uncountable is their visible number.
Fish of finesse weasel their journey around the Lid of Lilies;
Denticulate plates reveal intentions
Responding to the sun’s demand of reflection.
Relocation refusal, in unison they continue.
Strong Sun Moon
June 21 – July 20

By Jude Bagatti, MG Volunteer

Early June on the Gulf coast and El Sol has already toasted the land and crisped the air to temperatures in the 90s and even into 100s in some parts of Florida. Thirty minutes after watering, plants and soil seem as dry as before. In even less time, after gulping copious amounts of water, my throat is again parched. Might as well just spray myself with it as drink it because once it goes down, it pours out of my sieve-like pores as I weed, mow, prune and groom my speck of earth.

Still, I’m lucky to be sheathed in Mediterranean skin that tans readily, allowing hours on the beach, and miles under the sun, cycling or jogging, all without sun screen, which when I first slathered it on, burned my eyes worse than solar rays. I’ve always basked, rather than baked, in the sun. Well, maybe not always. I have my own life-threatening “strong sun” story. There was that crisis out west in Canyonlands, Utah, when after marching 19 miles through that starkly beautiful, but broiling, arid oven with little water, I had to find a Park Ranger for an urgent, hair-raising search to rescue my heat-exhausted male friend who I’d left lying on a remote trail. But that’s too hot and dramatic a story for this newsletter.

So here’s some cool Indian wisdom for this time of the year. With the summer solstice, we learn from Sun Bear’s Medicine Wheel about the three Moons of the South:

The Spirit Keeper for the Moons of the South is Shawnodese. The primal power of Shawnodese is that of growing rapidly while learning to trust feelings and intuitions. It is the power of maturing. These are the southern moons when all the earth comes to flower and bears fruit for that year. Trust is necessary in this season, since growth is so rapid there isn’t time to ponder progress. The animal is the coyote, the season is summer, the time of day is midday, and the colors are yellow and green. The powers of the South are growth and trust.

According to the Wheel, “People born under the Strong Sun Moon are the Flicker people. Their plant is the Wild Rose, their color is Pink, their stone is the Carnelian Agate, and their elemental clan is the Frog Clan. Flicker people are able to silently and receptively ride with the flow of life. They are gentle, dreamy, sensitive people, able to both reflect and absorb things around them. They must learn to be more independent, and less changeable.” The Strong Sun Moon corresponds to the astrological sign of Cancer.

May you thrive and your gardens flourish in the long days of summer.

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

Following is a short story about one of our FBG volunteers that not just “climbed the wall”, but ran a marathon in China-go Robin! - Chuck

By Robin Hoshino, FBG Gift Shop volunteer

A year ago, I heard about the Great Wall Marathon - part of this marathon is run on the Great Wall. When I saw the Great Wall for the first time, it took my breath away. But the section I’d be running was daunting. It was very steep and long.

The Great Wall Marathon has over a mile in steps, so I did stair training along with distance running to prepare. By the end of my training, I was up to 210 flights of stairs and it took over an hour to get through. But, I still didn’t think I’d done enough stair training for the marathon. 210 flights of stairs is less than a ½ mile in steps.

Race Day! It was warm and sunny, and going to get warmer. The heat had me worried. Off we went! I zipped through the first set of Great Wall steps without any trouble! My stair training paid off. They were not the hard part. The toughest part of the marathon was the section we went off road onto an old, rocky riverbed. I did a lot of off road running, but not ever on rocks! And…it was getting hotter and hotter.
I made it to mile 21 and was heading back up the steps. After just 200 steps or so, I got dizzy and started to black out. I sat down and couldn’t regain my bearings. I knew my marathon was over. I headed back down. The medics thought it was heat exhaustion. I will get credit for doing a half marathon.

I was very disappointed that I didn’t finish, but have no regrets. It was a fantastic and wonderful experience. I will try again next year!

Find an Herb!
Hundreds of people have expanded their knowledge of herbs using a guide to the FBG Herb Garden. There are two boxes that contain a pamphlet with an outline of the herb garden with numbered beds and plants within identified. Many MGs and volunteers prepared the information to help educate our increasing number of visitors.
Ruth Davies, volunteer

Can you find this lovely Bromeliad, not one but two, in the FBG formal gardens.-Chuck

Explanation of name: For Dom Pedro d’Alcântara, second Emperor of Brazil (1840-1889)

Recognition: Large dramatic bromeliads. *Alcantarea imperialis* is one of the largest cultivated Bromeliads, to 4’ tall, requiring a decade to mature. Inflorescence to 9’ tall. The reddish cultivar ‘Rubra’ is popular. *Alcantarea odorata*, also large, has silver-colored foliage.

Landscape uses: Grown on the ground or in exceptionally large containers for dramatic effect. These are especially large, eye-catching selections. Best in sun but tolerant of shade

Florida Botanical Gardens Foundation Update

By Chuck Scaffidi, FBG Foundation President

The next Foundation Board meeting is Wednesday July11. You may attend a board meeting as a guest to get a better understanding of our organization and goals 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.

Several events will be coming soon, the Pinellas County Centennial Celebration September 14-17, Pinellas County Extension celebrates 150 years later this fall, and the FBG tours planned by IFAS during the MG conference on Sunday September 30 (see page 6). The current plan is to host FBG tours and maybe to sell some plants during these events.

Volunteers needed!! Your ideas to show case the FBG, helping to “clean-up” the gardens, and guiding tours will be greatly appreciated.

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.
32nd Annual
Florida Master Gardener
Continued Training Conference

http://www.conference.ifas.ufl.edu/gardener/registration.htm
October 1-3, 2012
Clearwater Beach Hilton
Clearwater Beach, Florida

Optional Pre-Conference Events

Field Trips – Sunday, September 30, 2012
(Buses depart hotel at 12:30pm and return by 3:30pm)
You may choose to attend one Pre-Conference Field Trip for a fee of $75 for each participant.
(Registration for each tour is limited and Advance Registration is Required)

- A - Landscape Tour of Clearwater Beach and Downtown St. Petersburg

   This tour will visit landscapes designed by renowned Landscape Architect, Phil Graham, Jr. Phil has been practicing Landscape Architecture in the Tampa Bay Area for more than 30 years, and has worked on projects all across the globe. We were lucky enough to have Phil available to guide this tour and it should be a remarkable experience.

   Participants should wear comfortable walking shoes and be prepared to walk at least 1 mile throughout the length of the tour. The tour will end at the Salvador Dali Museum gift shop where participants will have a chance to purchase a memento to remember the event should they choose to do so. The tentative agenda for the tour is as follows; Sandpearl Resort, Private Ballroom Residence, Giullia Koppick Palm Arboretum, Pointe Park, Pointe Men for Media Studies, Salvador Dali Museum.

- B - Florida Botanical Gardens and Sunken Gardens

   Pinellas County is home to many botanical wonders. On this tour you will get the opportunity to visit two different garden sites. The Florida Botanical Gardens is adjacent to the Pinellas County Extension Service and is comprised of over 30 acres of cultivated gardens and 90 acres of natural areas. Planning for the garden began in 1991 with the garden opening to the public in December 2000. While there you will see a wide variety of garden areas and exhibits.

   Sunken Gardens is a small 4 acre garden that began in 1903. The gardens contain over 500 species of tropical and subtropical plants. Sunken gardens is probably the oldest tourist attraction on Florida’s west coast. The garden atmosphere is peaceful and contains many moisture plants.

   Participants should wear comfortable clothing and walking shoes and be prepared to walk a considerable amount between the two sites. Be sure to bring sun screen, hats and rain protection.

- C - Busch Gardens and the Betty S. Walker Discovery Garden

   Busch Gardens has long been known for its beautiful gardens and interesting use of plants. This tour will consist of a trip to Busch Gardens for a guided landscape tour of the park. Afterwards you will have a short time to wander the park and take photos of your favorite gardens. After departing Busch Gardens we will stop at the Betty S. Walker Discovery Garden located at the Hillsborough Extension Office. The garden contains a potential and vegetable garden. Discovery Garden is seduced into themed areas and follows the FPL principles. Hillsborough Master Gardener will be on hand to provide tours and answer questions.

   The Betty S. Walker Discovery Garden is a collection of gardens designed to convey landscape design and maintenance ideas, to showcase plants which are outstanding performers in central Florida, and to provide a beautiful, serene setting for the enjoyment, education and inspiration of visitors.

   Participants should wear comfortable clothing and walking shoes and be prepared to walk a considerable amount between the two sites. Be sure to bring sun screen, hats and rain protection.
Florida Style Gardening Workshop
July 21, 2012
Learn the basics about how to create and maintain an attractive, Florida-Friendly landscape that saves water, time, and sweat!

Where: Tarpon Springs City Hall
324 E. Pine Street, Tarpon Springs
When: 8:30 a.m. to 2:30 p.m.
Who: Pinellas County Extension and other Florida-Friendly Landscaping™ specialists

Workshops are FREE
Pre-Registration is Suggested as Seating is Limited!

Florida-Friendly Landscaping™
Nine Principles for Creating & Maintaining a Yard that Protects and Enhances Your Environment

Landscape Design & Plant Selection – Learn the Steps to Success!
Plant Installation and Establishment – Actions that Improve the Plant Survival Rate
Landscape Maintenance – From Proper Fertilizer Use to Pruning Trees
Reducing Stormwater Runoff – Learn How to Minimize your Impact on our Water Ways!
Sensible Sprinkler Systems – Discover a Tool to Help you Understand your Sprinkler System

To Register:
Call 727-893-2500 x1086
Or email bryantro@pcsb.org
Please provide: name, phone number, and number of attendees
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 Leaves.

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.”

Thanks Jeff Clayton

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 1) 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.

- Urban Vegetable Demonstration Garden The garden has 11 large raised beds. Each bed has its own irrigation. The garden is split into 5 organic community plots (organic practices will be utilized in these beds) and 6 individual plots. The vegetables grown in the organic community plots will be shared between the gardeners who tend those beds as well as for an employee wellness program. If you would like an individual bed, or are interested in sharing a bed, sign up for an individual plot. The vegetables from the individual plots will be shared by the individual & the charity of their choice. For more details, please e-mail Rocio Bailey at rociobailey@gmail.com or call 727-224-8594.

Education

- MG Update–No July update.

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

- Earn Continuing Education Credits- For more upcoming Extension classes please register at: 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 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/, 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/, 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/
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 will be returning this month. 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/](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. All of these tutorials are available from 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!

- **Woodlawn Elementary School** needs your native plant knowledge. Help renovate an existing native plant garden. The school is located at 1600 16th St. N. in St. Pete. Teacher is available Tues. mornings or Wed. afternoons.

- **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.

- **Gibbs High School in St. Petersburg** has a small garden run by special education students. The garden has been very successful and they supply food for their classroom. They are in need of more experienced gardening help.

- **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: mfhisingr@verizon.net

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:

<table>
<thead>
<tr>
<th>Art Stone Orchids</th>
<th>Country Club Nursery</th>
</tr>
</thead>
<tbody>
<tr>
<td>3611 Tyrone Blvd, St. Petersburg</td>
<td>9850 Starkey Road, Largo,</td>
</tr>
<tr>
<td>727-345-6733</td>
<td>727-397-4438</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DragonFly Garden</th>
<th>Earthscapes Garden Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>730 Broadway, Dunedin</td>
<td>816 Alt. 19 N, Palm Harbor</td>
</tr>
<tr>
<td>727-734-4900</td>
<td>727-786-4859</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Esperanza’s Garden Center</th>
<th>Hawaiian Orchid Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>6001 Haines Road, St. Petersburg</td>
<td>Note:* (10% off all purchases)</td>
</tr>
<tr>
<td>727-742-8499</td>
<td>6260 Seminole Blvd, Seminole</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Kathy’s Korner Nursery &amp; Tree Farm</th>
<th>Jene’s Tropicals</th>
</tr>
</thead>
<tbody>
<tr>
<td>6095 Haines Road North, St. Petersburg</td>
<td>6831 Central Ave., St. Petersburg</td>
</tr>
<tr>
<td>727-525-9640</td>
<td>727-344-1668</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Palm Harbor Nursery &amp; Landscaping</th>
<th>Seminole Nurseries</th>
</tr>
</thead>
<tbody>
<tr>
<td>450 Riviere Road, Palm Harbor</td>
<td>6230 102nd Ave. N, Pinellas Park</td>
</tr>
<tr>
<td>727-545-9619</td>
<td>727 545-9619</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Summerwood Gardens, Inc.</th>
<th>Twigs and Leaves</th>
</tr>
</thead>
<tbody>
<tr>
<td>1171 Tarpon Springs Rd, Odessa</td>
<td>2131 Central Ave., St. Petersburg</td>
</tr>
<tr>
<td>813-920-2153</td>
<td>727-822-5400</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Willow Tree Nursery</th>
<th>Wilcox Nursery</th>
</tr>
</thead>
<tbody>
<tr>
<td>4401 49th St. N, St. Petersburg</td>
<td>12501 Indian Rocks Road, Largo</td>
</tr>
<tr>
<td>727-522-2594</td>
<td>727-595-2073</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazel’s Garden &amp; Nursery</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5063 Dartmouth Ave, St. Petersburg</td>
<td></td>
</tr>
<tr>
<td>727-321-4599</td>
<td></td>
</tr>
</tbody>
</table>

Note:* Only FBG Foundation membership applies
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](http://www.pinellascounty.org/scripts/publish/webevent.pl)