Controlling Chinch Bugs in St. Augustinegrass

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

In this area, chinch bugs are an all-too-common lawn pest of St. Augustinegrass that, unless treated, can cause real damage.

Chinch bugs suck the sap from grass and once an area of your lawn is dead, they will move on to neighboring areas. Damage may occur in open, sunny areas near sidewalks and driveways, but also in the middle of lawns. Infested plants have slower growth, turn yellow, then rusty reddish-brown, and die.

Before starting any treatment, make sure it’s really chinch bugs that are causing the grass to die. Adults are only an eighth to a tenth of an inch long. The wings are folded flat on the back and are shiny white with a triangular-shaped black marking in the middle of the outer edge of each wing. Nymphs (the juvenile stage) are a red-orange color with a white band. They darken as they mature, which takes about four or five weeks. To look for these bugs, try one of these methods:

- The easiest and fastest is to part the grass near yellowed areas and look at the soil surface and thatch (brown, dead stuff between the soil and the grass). Pull out individual grass plants and look inside the bottom leaf sheath. Look in several different areas if chinch bugs aren’t immediately found. The best time to look for these insects is on warm, sunny days at mid-afternoon when they are most active.

- Another option is to use a Dust Buster or hand-held vacuum cleaner (electric or battery-operated) to suck up any chinch bugs near damaged areas. Remove the filter, empty the contents on the sidewalk or in a bucket, and look for nymphs and adults. Repeat in several damaged areas.

If you don’t find chinch bugs, the culprit could be as simple as an animal using the area as a toilet; a sprinkler head not working properly; or a disease.

If you do find lots of chinch bugs, then it is time to treat the lawn. The first thing to apply might be a neonicotinoid product such as Merit. It is best to use spot treatments when small infestations are first noticed and damage is minimal. Treat dead and dying St. Augustinegrass and about a five-foot buffer area around the damage. This should do the trick for a couple of months. If you start seeing damage again and have confirmed it is caused by chinch bugs then apply either a pyrethroid, organophosphate or carbamate product. You can find a list of products at http://edis.ifas.ufl.edu/lh036

Chinch bugs are becoming resistant to insecticides. To keep this from happening it is very important to rotate between the different chemical modes of action. There are four different chemical modes of action available for use: neonicotinoid, pyrethroid, organophosphate and carbamate. Use one of these chemical modes of action for the first treatment; pick a different mode of action for the second treatment, a different mode of action for the third treatment and so on. Any combination of the four will do, just be sure to rotate to a new mode of action for each treatment.
There also are some cultural practices that will lessen chinch bug reproduction and survival. Use slow release nitrogen products and only apply the recommended amount or less. Mow standard St. Augustinegrass at a height of four inches and mow frequently enough to only remove a third of the leaf blade. Water only when the grass starts to wilt. If thatch develops it usually indicates over-watering and over-fertilizing. You may need to have the lawn verticut to remove the excess thatch. This has to be done during the time that grass is growing rapidly so it will have time to recover from the verticutting.

There are natural biological controls that help keep chinch bug populations in check. Preserve “good bugs” by doing spot applications when spraying pesticides. “Good bugs”, such as big-eyed bugs and minute pirate bugs, are similar in size and shape to chinch bugs and can be mistaken for chinch bugs.

In summary, identify the pest, use spot treatments, rotate between the different modes of action, and use good cultural practices. Always read and follow the pesticide label to protect yourself and the environment. The label is also federal law and must be followed exactly.

### Butterfly Plant of the Month at FBG

**Colorful Pentas Attract a Variety of Nectar-Feeders**

By Ellen Mahany, MG

We are in full butterfly season in central Florida, and the colorful beds of tall, old-fashioned Pentas at Florida Botanical Gardens are irresistible to a variety of nectar-seeking butterflies.

**Pentas** (*Pentas lanceolata*), a popular plant with gardeners, offers low maintenance and colorful blooms all year round. It is also a popular plant with butterflies, not only for its bright colors but also for its easily accessible nectar. (The term *Pentas*, by the way, refers either to a single plant or multiple plants.)

Red, pinks and purples are the most popular colors with butterflies, and Pentas come in these colors as well as white and lavender.

Various Swallowtails, Skippers, and Sulphurs, as well as the Monarch, Queen, Zebra Longwing, Gulf Fritillary, Red Admiral, and White Peacock are among the varieties that seek nectar from Pentas. Red flowers in particular attract Swallowtails, Sulphurs and Heliconians, including the Zebra Longwing and the Gulf Fritillary.

In contrast, the dwarf Pentas do not contain the ample nectar of the taller varieties. The clusters of star-shaped flowers in full-sized Pentas have tubes leading to nectar readily available when the butterfly’s proboscis is stretched to full length.
The butterfly lands on a plant and recognizes it by tasting it through its six feet. Then it uncoils the straw-like proboscis to sip its meal. The Gulf Fritillary extracting nectar from the red Pentas in the above photograph and the Monarch sipping nectar in the drawing beside it show the typical posture of feeding butterflies.

Visualize the proboscis as a long tongue shaped like a muscular straw, sometimes as long as one and a half lengths of the butterfly’s body. Blood uncoils the proboscis and muscles provide movement during feeding.

Credits: Molecular Expression
As seen in this photograph, at rest the proboscis is coiled between a pair of labial palpi, sensors of varying shapes and sizes located at the center of the butterfly’s face.

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**SPECIAL SEATING FOR OUR SMALLEST VISITORS**

New to the Florida Botanical Gardens, and soon to be placed in various locations along our Children’s Trail, Master Gardeners and FBGF Board members Richard (pictured at right) and Kathy Harder have carved handsome chairs from logs, such as the one pictured below. How inviting for our youngest guests—and what a terrific photo opportunity for Mom and Dad, Grandma and Grandpa! Having tree work done soon? Richard reports a log at least 16 inches in diameter and 18 inches high would be suitable, so give us a call at the Volunteer Office if you have such a piece. Visit soon to see these charming creations.
Hollis Gardens.....Lakeland Florida

Celebrates the 4th of July with Combo Pots of Red, White and Blue

Article and photos by Joanne Drake, MG

Hollis Gardens in downtown Lakeland, Florida, one can enjoy the formal gardens and their graceful charm, elegance and beauty. You’ll hear classical music throughout the gardens while enjoying a stroll in the themed outdoor rooms, arranged by color. The gardens feature Florida natives, perennials, fruit, veggies and ornamentals. Included in this article are other photos that were taken on a recent visit by Master Gardeners, Donna Zacharczyk and myself.

Garden Tours are always a great way to relax and enjoy beautiful weather.
Myriad Bromeliads

By Jude Bagatti, MG

For only the second time in ten years, I attended a Bromeliad Society meeting at Hope Church, 1698 S. Belcher Rd., Clearwater. Their monthly meetings are free; guests are welcome. The knowledgeable members are friendly, ready to advise, instruct and discuss—all you ever wanted or needed to know (and there is a lot!) about this huge plant family. Tables are piled with a variety of free bromeliads donated by members or guests. Others are inexpensively raffled or sold.

What prompted my visit on a recent Tuesday evening was my quest to learn something about a plant I had propped in an empty ceramic pot which suddenly sprouted a lanky, narrow Jack-in-the-Beanstalk-like protrusion. A friend gave me the tiny plant years before when it measured only six inches in diameter. It had lain unpotted and unattended in my oak-leaf-covered yard not far from a drain spout. Sometimes it perched on my porch cart. Later, I'd plopped it in the empty pot back on the ground.

It was a bromeliad, of course, but was it an air or earth plant; epiphytic or terrestrial? I didn't know. Over time, the dull green, leathery leaves had imperceptibly stretched more than two feet wide. Long ignored, its new soaring stalk now got my attention. Daily I checked, fascinated to find it shot up inches overnight. Then the skinny stalk began to sprout even skinnier branching shoots, light green with pod-like bulges. Currently, the stalk is 54 inches high with 14 shoots! so tall I tucked the pot between low, leggy branches of a variegated Schefflera to prevent it toppling in the wind. This, I bagged and carried awkwardly to the Society.

Right away, a bromeliad whisperer there, informed me my plant was a common Everglades air plant, a Florida native, Tillandsia utriculata. Now I had a name, and knew it didn't need soil. Tiny white blooms protruding from several of its pods were pointed out. I hadn't even noticed those feathery flowers! Much to my pleasure my plant was, by far, the tallest at that meeting and admired by many. It is still standing tall in my yard though it would be more at home reaching up from tree limbs. I was warned that soon after it finishes blooming, the plant will die—no pups carry this one on.

I learned more. The Aechmea genus of another bromeliad sub-family, is the group bearing spiny leaf edges. A neighbor had given me some Aechmea romero (I now knew); my serrated skin can attest to those inhospitable spines. Though they're epiphytes, planted in the ground they've borne pups. Interestingly, most air and terrestrial bromeliads can adapt and thrive even with switched living conditions.

Three extended bromeliad families contain sub-families, multiple genera and hundreds of species. I have more of them in my yard than I realized: unnamed (until further research) green and white striped ones, red-centered ones, and a deep maroon one. I have pineapples (Ananas comosus) and Spanish moss (Tillandsia usneoides).

A little about Spanish moss: first, it's not a moss, and is so unlike other bromeliads, I had forgotten that it was one. It has played more roles in human culture than perhaps any other bromeliad. Uses include furniture/mattress stuffing, insulation, mulch, packing, pottery pattern designs, arts and crafts, teas for fever, chills or other ailments, and floral arrangements. Timucua and other Indians wove and wore it. New Orleans voodoo dolls are still stuffed with it! The moss appears in legends with whimsical names like Graybeard, grandfather's whiskers, and wool crape. Why "Spanish?" French rivals of early Spanish explorers mocked them saying the moss reminded them of the long beards Spaniards wore. Me? I'm simply beguiled by the graceful, swaying drape of it, and its almost sinister, ghostly specter at night conjuring gothic shades of a forbidding, swampy deep south.

I left the Bromeliad Society meeting with a free, dark green Billbergia, inspired to add more bromeliads to my yardscape. For someone seeking low maintenance, choosing bromeliads is a no-brainer. As far as I know, we're not due to run out of air anytime soon!

Contact Jude at 727-322-6211 or heyjudebagatti@gmail.com
Florida Botanical Gardens Foundation Update

By Chuck Scaffidi, FBG Foundation President

The next Foundation board meeting is on July 19 and visitors are welcome, especially anyone who may be interested in joining the board. By attending a meeting, you will get a better understanding of our organization and goals, and hopefully you will choose to become a board member.

I have a love and passion for making our gardens world class. This was my personal experience of relieving stress in my former work environment. So do as I did, make the “FBG a Healthy Habit”.

The garden enhancements are only made possible with your membership dollars, money donated at our events, sponsorships and profits from our gift shop (See their ads that follow). And join the incredible team of hundreds of volunteers who bring a wide variety of skills and lots of energy and enthusiasm that is required to manage and maintain these gardens. Yes, you can become healthier too.

So, many, many thanks to all of our supporters and volunteers who are helping us turn our world class garden vision into a reality!

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In the gift shop

The rainy season is here! The gift shop is offering a special members-only discount on our beautiful botanical umbrellas. Stick or pop-up varieties will have an extra 20% off in addition to your usual 10% discount for a total of 30% off!

These are constructed of microfiber- & unbreakable-fiberglass-ribs that offer long lasting and reliable use. You can use them to protect yourself from the sun as well – perhaps summer Disney days or baseball games. A great gift idea!

We thank you for supporting the shop and the gardens with your membership dollars!
A SPECIAL OFFERING FOR THE BENEFIT OF THE FLORIDA BOTANICAL GARDENS

Generously donated by the artist, Ms. Kalika Novoa

Beaded Necklace & Earrings ~ $495.00
14K gold findings, beads, crystals and enamels on silk cords. A custom shadowbox for display.

Artist's Biographical Highlights
Custom jeweler, dancer, choreographer, volunteer, world traveler and ardent supporter of the arts, Kalika Novoa currently lives in Indian Rocks. She draws inspiration from contemporary dance, as well as from the glass art of Dale Chihuly to create a “sense of the limitless in my work”.

The Smithsonian Institution and the Corcoran Gallery of Art have commissioned her works and she has exhibited locally at over 10 well-known galleries. She states, “Ultimately, beauty prevails.” We couldn’t agree more.

Please consider this artwork as an investment for a loved one and your beautiful Florida Botanical Gardens! Your purchase will include an annual membership (retail value $100.00) for four people to the gardens.

In the gift shop.
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.)

And Share Your 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 to our Facebook friends

Extension is on Facebook!!
Special Announcements

33rd Annual
FLORIDA MASTER GARDENER
Continued Training Conference

October 20-23, 2013
Embassy Suites Orlando-Lake Buena Vista South
Kissimmee, Florida

MEETING SITE & HOTEL ACCOMMODATIONS

Embassy Suites Orlando-Lake Buena Vista South
4055 Kyngs Heath Road
Kissimmee, Florida 34746
Phone: 1-407-597-4000
FAX: 1-407-597-4101
Hotel Website
Free Self-Parking!

The Embassy Suites Orlando-LBV South is offering participants of the 33rd Annual Florida Master Gardener Continued Training Conference, a very special rate of $109.00 per night, with a two-night minimum required, plus 12.5% state and local taxes, for single or double occupancy. Additional adults are $10 each per night. The group rate will be honored three days prior and three days following the conference dates, based on availability.

GREETINGS!

Dear Master Gardeners!

Mark your calendars now for the 33rd Annual Florida Master Gardener Continued Training Conference to be held October 20-23, 2013 in Kissimmee, Florida.

Details will be forthcoming, but as always, the conference will be filled with lots of opportunities to learn and to share information with other volunteers. Come to hear the latest information, meet new Master Gardener friends from around the state and to enjoy all that Central Florida has to offer.

We hope to see you in Kissimmee!

Sincerely,
Tom Wichman
State Master Gardener Coordinator

In order to receive the special discounted group rate you must state that you are with the Master Gardener Conference and include all roommate names in hotel reservation.

Reservations must be made by Friday, September 20, 2013 in order to receive this group rate. Please be aware the block of rooms may fill before the deadline, so we urge you to make your reservation as soon as possible. After September 20, the discounted rate is not guaranteed on possible remaining rooms. Please call the Hotel reservations direct line at (407) 597-4000 and identify yourself as a participant of the Florida Master Gardener Conference. If you make an online hotel reservation, please note the GROUP CODE is: FMG

Printable Hotel Information Sheet (PDF)

Explanation of Facilities Usage Fee
Special Announcements Continued

If you use Yahoo goodsearch as your web browser every search earns a penny towards your favorite not-for-profit charity. I have earned $36 so far this year. The idea is if many people use it the amount earned is considerable. Also Yahoo browser shopping tabs are also included so if you use them to shop or dine a percent of your purchase automatically is credited to the FBG Foundation. I have found the Yahoo search engine as good as Google. We also have this capability on our FBG facebook for visitors to use.

Check it out and help us earn extra dollars for FBG. If you have questions or trouble installing it let me know. Chuck-727-582-2117 or escaffidi@pinellascounty.org

The link to add goodsearch to your browser is: http://www.goodsearch.com/toolbar/mode/
Go to the the link above and click Down Load Now!
Follow the install instructions. Choose run. Make the browser your default. When download is complete you will see the Yahoo browser. On the left of the browser you will see a window that says “click to choose charity”. A new screen appears, then click “choose a cause”. Another screen appears “enter cause name here”. Type: Florida Botanical Gardens Foundation
You can also log in with a name and password at this point. It’s optional, but you can monitor the earnings this way.

The Florida Botanical Gardens Foundation name will appears in the window next to the search window. The resulting Yahoo goodsearch browser is shown below:

Michaels, where I work, has started to allow military discounts. Showing a military ID card is what is necessary. Unfortunately, it is only on Wednesday, but it is for 10% of the total purchase. Please pass the word-MG Marian Cirello.

Green Invaders in Your Garden presented by Master Gardeners, Palm Harbor Library, July 11 at 2-3:30pm and 6:15-7:45pm.

Using Herbs Garden Club of St. Petersburg presented by Master Gardeners. Wednesday, July 24, from 2:00 PM to 3:00 PM. Master Gardener Ruth Davies will talk about using herbs in teas and infusions.
Ruth always brings a nice selection of herbs for sale, which will benefit the Florida Botanical Gardens in Largo. To register: http://www.eventbrite.com/event/5260391974/EventArgs

Annual Caladium Festival is coming up on July 26-28th in Lake Placid, FL. For information please visit their website: http://www.visitlakeplacidflorida.com/caladium.htm

Garden Maintenance volunteer opportunities are now available on Monday, Wednesday and Thursday mornings. The current teams work throughout the FBG. Duties include mulching, weeding, trimming, and adding new plants to the landscape. This is a great opportunity to learn while doing. If you are interested, contact Terry Berube at tberube@tampabay.rr.com or 727-501-3787.

Volunteer Incentive Limitations: One (1) annual permit per individual volunteer for one hundred (100) documented volunteer hours contributed in the Department of Parks and Conservation Resources during the fiscal year of October 1 to September 30. Family members may not combine hours to qualify. Additional permits may be purchased.
Education

- **MG Update** - No July update.
- **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:
  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** - Free classes every second Thursday of the month from 2:00-3:30 PM and 6:15-7:45 pm at the Palm Harbor Library, 2330 Nebraska Ave. To register [http://pinellas.ifas.ufl.edu/](http://pinellas.ifas.ufl.edu/)
  click the “Registration” tab and then click “Extension Service.”
- **St Petersburg MG Speaker Series** - Held at the Garden Club of St. Pete. 500 Sunset Dr S, St Pete [http://pinellas.ifas.ufl.edu/](http://pinellas.ifas.ufl.edu/).
  Click the “Registration” tab and then click “Extension Service.”
- **“Planting Pinellas”** blog [http://plantingpinellas.blogspot.com/](http://plantingpinellas.blogspot.com/)
- **Extension Classes and Tours** - Visit Lawn & Garden - Pinellas County Extension on-line calendar for a list of classes where most are being offered free or at a discount to MGs, volunteers and FBGF members with a membership card. Also, sign up for a garden tour.
  Special discount offer for Rain Harvesting Workshop
- **Help Desk** - Please look at the VMS help desk calendar and see if there is a time that works for you. If you are a regular at the help desk please be sure you are signing up to avoid scheduling confusion.
- **MGs needed** - MG Sally Ervin is looking for help at Lowes:
  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

Volunteer Opportunities and Announcements

- **Community beautification project is being planned for Bartlett and Campbell Parks in St. Petersburg.**
  One of our own MG Trainees, Kristy Ferrell is helping design some new planting plans for these parks and we need a few MGs who want to get involved and help on planting days to show local residents how to plant and maintain their beautiful new landscape areas. MG Debra Black has now joined the team- but we need more! This project is the brainchild of community activist Coy LaSister of Assisted Living Community Gardens, Inc. Mr. LaSister envisions involving local residents in the care and maintenance of gardens to enhance their community while teaching them about gardening and horticulture. 
  *This would be a wonderful hands-on way to impact an underserved community that really needs help!* Please let me know as soon as possible if you'd like to learn more as we would like to have a team meeting as soon as we can.
- **Tampa Bay Home Show at Tropicana Field** need a MG volunteer for the July 19, 20 & 21. It starts about 10 am and runs until 6 pm. The greatest needs for volunteers is on Sat., July 20. Contact Sustainability Agent Ramona Madhosingh-Hector to volunteer:rmadhoshinghhector@pinellascounty.org
Master Gardeners, there is a lot going on at UF and I wanted to take this opportunity to highlight a couple of great announcements:

**Online MG CEUs:**
You can now earn CEUs from home, or anywhere! Simply visit [http://gardeningsolutions.ifas.ufl.edu/mastergardener/outreach/index.shtml](http://gardeningsolutions.ifas.ufl.edu/mastergardener/outreach/index.shtml) and scroll down to the center where it says “Extension Specialist Updates”. View the current monthly presentation or browse through some older ones. Once you watch each presentation you can put ½ hour of CEUs in the MG VMS. It’s just that easy - enjoy! They will be updating these regularly, so check back for more topics each month.

**Bee College!**
Have you heard about South Florida Bee College? Our popular beekeeping extension event is expanding! We are hosting this 2-day educational event Aug 16-17, filled with food, fun, and plenty of hands-on learning experiences at the Ft. Lauderdale Research and Education Center in Davie Fl (Broward County) ([http://flrec.ifas.ufl.edu/](http://flrec.ifas.ufl.edu/)). There will be live hives, beekeeping gear, and multiple classes to choose from that throughout the day.

Our speaking line-up includes Dr. Malcolm Sanford ([http://www.apisenterprises.com/](http://www.apisenterprises.com/)) a UF emeritus professor and life-long beekeeper, Dr. Ernesto Guzman ([https://www.uoguelph.ca/ses/users/eguzman](https://www.uoguelph.ca/ses/users/eguzman)) Head of the Bee Research Centre at the University of Guelph, Ontario Canada, David Westervelt, the Chief of Apiary Inspection at FDACS, Keith Councell, the president of the Florida State Beekeepers Association ([http://www.floridabeekeepers.org/](http://www.floridabeekeepers.org/)), some of our talented and knowledgeable Florida State Bee Inspectors, and the staff at UF’s Honey Bee Research and Extension Lab!

There will be a 22-class Honey Show where you can enter your honey and products for awards, vendors selling bee equipment and lunch and dinner are included in registration. For the first time, we will be offering a Spanish-speaking track to serve the needs of the growing beekeeping community in South Florida. Many of our speakers are fluent in both languages and will be delivering classes for both.

The full schedule will be announced shortly, be sure to check [http://entnemdept.ufl.edu/honeybee/extension/SFbee_college.shtml](http://entnemdept.ufl.edu/honeybee/extension/SFbee_college.shtml) for details. Please see our registration page here: [http://southfloridabeecollege.eventbrite.com/](http://southfloridabeecollege.eventbrite.com/)
Theresa Badurek
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 many 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>
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<tbody>
<tr>
<td>3611 Tyrone Blvd, St. Petersburg</td>
<td>9850 Starkey Road, Largo,</td>
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<tr>
<td>727-345-6733</td>
<td>727-397-4438</td>
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<th>Earthscapes Garden Room</th>
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<tr>
<td>730 Broadway, Dunedin</td>
<td>816 Alt. 19 N, Palm Harbor</td>
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<td>727-734-4900</td>
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<tr>
<td>6001 Haines Road, St. Petersburg</td>
<td>Note:* (10% off all purchases)</td>
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<tr>
<td>727-742-8499</td>
<td>6260 Seminole Blvd, Seminole</td>
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<td>Hours: Tues thru Sat 10:00AM to 5:00PM</td>
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<tr>
<th>Kathy’s Korner Nursery Inc. (10% off trees)</th>
<th>Jene’s Tropicals</th>
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<tr>
<td>6095 Haines Road North, St. Petersburg</td>
<td>6831 Central Ave., St. Petersburg</td>
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<tr>
<td>727-525-9640</td>
<td>727-344-1668</td>
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<tr>
<th>Palm Harbor Nursery &amp; Landscaping (10% off cash and carry)</th>
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<tr>
<td>450 Riviere Road, Palm Harbor</td>
<td>6230 102nd Ave. N, Pinellas Park</td>
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<td>727-742-8499</td>
<td>727 545-9619</td>
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<tr>
<td>1171 Tarpon Springs Rd, Odessa</td>
<td>2131 Central Ave., St. Petersburg</td>
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<tr>
<td>813-920-2153</td>
<td>727-822-5400</td>
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<th>Wilcox Nursery</th>
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<tr>
<td>4401 49th St. N, St. Petersburg</td>
<td>12501 Indian Rocks Road, Largo</td>
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<tr>
<td>727-522-2594</td>
<td>727-595-2073</td>
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<th>Sunscape Plant &amp; Tree Nursery</th>
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<tr>
<td>5063 Dartmouth Ave, St. Petersburg</td>
<td>4730 CR 16 St. Petersburg, FL 33709</td>
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<tr>
<td>727-321-4599</td>
<td>727-347-2915</td>
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Note:* Only FBG Foundation membership applies
July 7 - Green Invaders in Your Garden presented by Master Gardeners, Palm Harbor Library, July 11 at 2-3:30pm and 6:15-7:45pm.

July 19, 20 & 21 - Tampa Bay Home Show

July 24 - Using Herbs Garden Club of St. Petersburg Wednesday, from 2:00 PM to 3:00 PM

July 26-28 - Annual Caladium Festival

MG Plant Clinic at the Palm Harbor Library – Wednesdays from 10 AM to 2 PM

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://pinellas.ifas.ufl.edu/calendar.shtml?cmd=opencal&cal=cal6