Are Mosquitoes Bugging You?
Avoid the Bites and Get Rid Of Breeding Sites

By Jane Morse, University of Florida, Pinellas County Extension Agent

Mosquito bites can be annoying, itchy, painful and even disease-causing. The most common mosquito-borne diseases in Florida are St. Louis encephalitis, West Nile virus encephalitis and eastern equine encephalitis. They occur sporadically, but it’s worth taking simple precautions to avoid bites and the possibility of getting a disease.

Use a mosquito repellant, stay away from infested areas, wear light-colored, loose-fitting protective clothing, and stay inside at dawn and dusk when mosquitoes are most active.

Repellants work by confusing the mosquito. The Centers for Disease Control (CDC) recommends only three types: DEET (diethyl toluamide), picaridin, and oil of lemon-eucalyptus. (Do not use the latter on children under three years). There is no scientific evidence that sound-emitting devices or eating garlic, vitamins, onions, or any other food will repel mosquitoes. See http://edis.ifas.ufl.edu/IN171 for more information.

Screening keeps mosquitoes from getting indoors. Install screens with 16-18 mesh and repair broken or torn screens. Keep un-screened doors closed. Caulk cracks and crevices to keep bugs out.

Before applying any repellent, read the label to ensure the product works on the insect you need to repel. Use the lowest concentration that works for you, apply only to exposed body parts and do not over apply. Products with 10% to 35% DEET will provide adequate protection under most conditions. OFF! Deep Woods with 23.8% DEET provides an average protection time of five hours while Skin-So-Soft bath oil provides only 10 minutes protection time. For a complete listing of protection times of tested mosquito repellents, see the University of Florida publication “Mosquito Repellents.” It can be accessed online at http://edis.ifas.ufl.edu/IN419.

High humidity, high temperature, rainfall and activities that generate perspiration can decrease the effectiveness of a repellent.

To relieve the itch and redness of mosquito bites a topical corticosteroid can be used. Oral antihistamines can also be effective in reducing the symptoms of mosquito bites. More information can be found at http://www.annals.org/cgi/content/full/128/11/931.

To reduce the number of mosquitoes, it is important to get rid of breeding sites. Clean debris from rain gutters; get rid of water on and around structures such as flat roofs and air-conditioning units; change the water in birdbaths and wading pools weekly; change the water in pet bowls daily; stock ornamental ponds with Gambusia fish; and encourage other insects such as dragonflies and...
aquatic beetles that feed on mosquitoes. Search out any area that holds water (a half-cup of water can breed enough mosquitoes to cause a problem) and get rid of the water or change it frequently. See this site for more mosquito breeding locations and solutions: http://eis.ifas.ufl.edu/breeding.htm.

Products can be used to control either the larvae or adult stages of mosquitoes. Larvae can be controlled with *Bacillus thuringiensis* var. *israelensis* (B.t.). These are often sold as “mosquito dunks.” *Bacillus thuringiensis* var. *israelensis* (B.t.) is considered a “biological” method of control and is the least harmful to non-target organisms. Insect growth regulators are other products that can be used, as well as malathion, temephos and pyrethrins.

Remember to protect yourself from mosquito-borne disease by preventing bites, and practice mosquito control by getting rid of their breeding sites.

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**Mosquito Myths**

From “The Mosquito,” by University of Florida entomologist Jorge R. Rey

**Among the many misconceptions:**

- Bug zappers are effective against mosquitoes. Bug zappers do not control mosquitoes and can reduce the populations of beneficial insects.
- Electronic repellers keep mosquitoes away. No, they don't; save your money.
- Residential vegetation can produce mosquitoes. They may be resting in the vegetation, but standing water is required to "produce" mosquitoes.
- Bats, owls and other birds can control mosquitoes. Although they may include mosquitoes in their diet, they do not consume enough mosquitoes to make an appreciable difference in their populations.
- Some mosquitoes can be two inches long. They don't get that big. What you may have seen is a crane fly.
- Mosquitoes nest in vegetation. Mosquitoes do not nest.
- Spraying for adults is the best method of mosquito control. Adulticiding is the least efficient method. Eliminating mosquitoes before they become adults is preferable.
- Mosquitoes can transmit AIDS. False.
- The citrosa plant repels mosquitoes. Although citrosa oil (citronella) has been used widely as a mosquito repellent, the undisturbed plant itself does not release these oils and is thus not effective as a repellent.

The complete document can be seen at http://edis.ifas.ufl.edu/IN652
Answering a Call for Help

By MG Joanne Drake, Article and Photos

Several months ago there was a plea in our MG newsletter requesting help for the students of Orange Grove Elementary. They needed help and suggestions preparing a vegetable garden and also a butterfly garden. This plea came again in a couple more newsletters. My grandsons attended that school many years ago. I called to offer help and discovered that Rocio Bailey, one of our Master Gardeners in training, mother of two boys attending the school, had offered her help, too. She has turned out to be a perfect match! We meet up on Friday mornings to help with getting these gardens going for the children. Rocio has jumped right in, drawing up plans and making a list of plants to be used.

It is so rewarding to see the children take a real interest in these projects and they are learning so much … first hand. They were so excited to see a monarch caterpillar on a red penta the other day. These experiences will follow them for a lifetime and someday they may become Master Gardeners, too!
What makes the Formal Gardens Grow and Glow?

By Chuck Scaffidi, Editor

Answer: volunteers who dedicate their time to not only maintaining the Formal Gardens, but are always suggesting new plants and improvements. What makes their energy flow? First and foremost you have to have top leadership to set the example. The Gardens and the Foundation are grateful to Richard and Terry Berube for leading this effort over the past several years (along with many other things they do). Terry was recently interviewed by Largo Patch and you can read the article at:
http://largo.patch.com/articles/volunteer-shares-her-passion-for-plants#photo-7052620

Here are just a few of the new palms and plants the Formal Gardens work crew has added recently. (Other crews are doing great things in their areas, so kudos to all!)
FNGLA Plant Selections

Every year the Florida Nursery, Growers and Landscape Association, www.fnlga.org, features some of the industry's best plant selections for our landscapes. This year is no different. These plants are known as the Florida Garden Select plants and they indeed are appealing and successful for Florida's climate. A few of the 2011 selections are pictured here.

For more information on these Florida Garden Select plants, go to: http://www.floridagardening.org/FloridaGardenSelect2011.aspx and check with Pinellas County Extension 727-582-2100

This year's selections include:

**Gold Medallion Tree**

This vibrant tree boasts of yellow flowers that bloom in early summer and sometimes again in the fall. The foliage is delicate, glossy green and forms large seed pods, which are poisonous. Originally from Brazil, it is drought tolerant once established in the landscape and can survive temperatures in the mid- to low-20s range.

**Caranday Palm**

Translates to "water palm." It has one-of-a-kind silver-green fronds which contrast with its chocolate brown spiked stems. The fruit is black in color. This palm will thrive in both dry and seasonally wet soils. Native to South America, it is currently being tested in bio-diesel crop studies.

**Wire Vine**

This ground cover can be a substitute for turf. It has glossy green leaves that spread in a mat of dense creeping wiry stems. In late spring, small white flowers bloom followed by small berries. You can walk on this vine without damage and it will take a variety of soils from sand to clay. Fall and winter produces bronze foliage. Great for erosion control on sloped areas.

**Yellow Butterfly Pea Vine**

A climber is well suited for trellising, pergolas, fences or screening. It is a heat-loving evergreen native to Mexico. The vine is a yellow bloomer with long-lasting 1-inch blooms. Seed pods resemble a butterfly with light green coloring at immaturity progressing to brown. Fairly drought tolerant requiring regular watering during the warm season to enhance the vine's appearance and appeal. This is a must have for the butterfly enthusiast.

**Japanese Plum Yew or Prostrate Yew**

This can be a ground cover, low hedge or foundation planting. When young, it is low and spreading; as it matures it becomes mound shaped with arching branches. Low maintenance with dark green foliage with needle-like texture resembling conifers. Keep this plant in deep to partial shade.

Best suited for small spaces; does not like dry conditions.

**Snow Princess**

This perky annual is ideal for containers, hanging baskets or adding a blast of color in your landscape. Heat tolerant and will bloom longer throughout the season with extreme vigor. The plant forms mounds of white subtle fragrant flowers that repeatedly bloom from January through July. Full sun to partial shade is best.
FBG Foundation Update

By CHUCK SCAFFIDI, FBG Foundation President

The Florida Botanical Gardens are well into their eleventh year and I am proud to say that we are continuing on an exciting – though sometimes challenging – path to provide a place of beauty for this area's horticulture lovers. We are proud of what we are accomplishing and happy to be getting so much positive feedback from our visitors. As you’ll see elsewhere in The Greenleaf, we’ve added colorful annuals, perennials and trees throughout the gardens. Thanks to our dedicated and hard working volunteer crew members, there is something to marvel at in every nook and cranny.

In addition, we are always thinking about new projects. In the talking stage is adding vinery arbors to our pathways, locations yet to be determined. We already have Parks approval to proceed and are working on the details to present to the Foundation.

The Wedding Garden mosaic continues to be a major project. The glass tile pools that sparkle with virtual water, gold fish and lily pads have captured the attention of the local media and the Pinellas County Communications Department. You can see a Bay News 9 interview at http://www.baynews9.com/article/news/2011/july/282388/Dormant-fountains-become-art-in-Florida-Botanical-Gardens, and http://www.youtube.com/watch?v=npsNkFIcS3E.

The County Communications interview on “Inside Pinellas” will air daily from Aug. 5 to Sept. 5 at 6 p.m. and 11 p.m. on Bright house 622, Knology 18, and Verizon 44. In the art section of the July 28 edition of its weekly magazine, the St. Petersburg Times used a photograph of the mosaic to illustrate the article “Take in the artwork outside.” We got a nice plug for visiting the FBG! Bringing attention and visitors to the Gardens was always a goal of this ambitious undertaking. Many thanks to all the folks who are making the dream of the mosaic a reality.

Two pools have been completed, the third is in progress, with the fourth not far behind. The Foundation is planning to make a celebration of Aquatic Reflections a centerpiece of the Holiday Lights preview party. But don’t wait until then to sneak a peek. I think what’s been done to beautify the Wedding Garden will knock your socks off!

Speaking of our annual holiday extravaganza, plans already are well underway for an even more spectacular light show than last year’s. Plan to stop by between Nov. 26 and Jan. 1. We are repeating the Gift and Plant sale Dec. 11, many vendors have already reserved a place, and the popular Dog Parade Dec 31. Of course, more help is always needed, so check with me to learn how to get involved.

Another exciting and ambitious project is Diggin’ the Arts, which the FBGF will be presenting next May in partnership with some of the area’s big name arts organizations. Again, we would love to put you to work. Ideas, energy, enthusiasm and creativity are always needed.

Another big undertaking on the horizon is updating the Botanical Bounty Gift Shop’s inventory and point-of-sale system. This will bring our record-keeping into the 21st century. (Our old cash register will find a new home next door at Heritage Village.) After a two-week summer break, the Botanical Bounty Gift Shop is open for business. There are many new and interesting items, so please stop and shop.

Extension has also invited us to play a part in creating a model community garden at the site on the FBG complex where the Pinellas County Green Home was originally to be built. Our part would primarily be integrating the FBGF’s proposed children’s station for water conservation education. We’ll need Foundation member to join the planning and implementation group. Please let me know if you are interested in this project.

As you can tell, there is a lot going on with the Foundation and at the Gardens. Meeting all our goals will take all the people power we can muster. If you love the Gardens, we’re waiting for you. Bring your friends and neighbors. Or get involved and make new friends. You’ll be glad you did.

If you have any questions, concerns or suggestions, I am always happy to have a visit in the Volunteer Office or chat via email (escaffidi@co.pinellas.fl.us) or at 727-2-2117.
**New Look for Picnic Table**

Do you have artistic talent? Many of our volunteers put theirs to use in the Florida Botanical Gardens.

MGs Pat Dieterich (right) and Dianne Schiller have transformed a plain Jane picnic table into a work of art. Look for it in the shade of the Palm Pavilion. A great place to relax and have lunch. Give it a try!

[Link to the FBG Facebook](#) to see many more photos and stories.

**We’re Tweeting Up a Storm**

By Kathleen Jamison, Assistant Editor

Thanks to Foundation Board Member Terri Ziegler's home-from college daughter Ali, more and more people are tweeting us on our Twitter account. To see what our followers are saying, all you have to do is go to our website or [flbotanicalgardens@flbg](mailto:flbotanicalgardens@flbg), click on the Twitter icon and follow a couple of simple steps. It's fun, and a great way to keep up with Gardens 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.) I'm probably the most technologically challenged FBGF member and even I am having fun following the tweets. Haven't got up the nerve to tweet myself, but that will happen. Meet you there!

Thanks to Ali for our beautiful new Facebook welcome page as well.

**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 and if you haven't signed up, it’s easy to do. Use the link below and click on the green sign up button at the top of the page. 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.”

[Link to the FBG Facebook](#)

Thanks to Alycia Martin for posting these beautiful garden photos. Keep an eye out for yours in future issues.
**Thanks to Local Nurseries, FBGF Members, 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</td>
<td>9850 Starkey Road, Largo,</td>
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<td>727-345-6733</td>
<td>727-397-4438</td>
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<td>Mon-Fri 7:30 a.m.- 4:30 p.m., Sat 8 a.m. - 2 p.m.</td>
<td>Mon-Sat 8:30 a.m.-5 p.m., Sun 9:a.m.- 4 p.m.</td>
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<td><a href="http://www.countryclubnursery.com">www.countryclubnursery.com</a></td>
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<th>DragonFly Garden</th>
<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>
<td>727-786-4859</td>
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<td>Closed Tue; M, W, TH 10 a.m.- 6 p.m., Fri 10 a.m.-8 p.m., Sat 10 a.m.- 6 p.m., Sun noon- 6 p.m.</td>
<td>Mon – Sat 9 a.m. - 5 p.m.</td>
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<td><a href="http://www.dragonflygardendecor.com">www.dragonflygardendecor.com</a></td>
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<th>Esperanza’s Garden Center</th>
<th>Jene’s Tropicals</th>
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<tr>
<td>6001 Haines Road, St. Petersburg</td>
<td>6831 Central Ave., St. Petersburg</td>
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<tr>
<td>727-742-8499</td>
<td>727-344-1668</td>
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<tr>
<td>Seven days a week, 10 a.m.- 5 p.m.</td>
<td>Mon – Sat 8 a.m.- 5 p.m.</td>
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<td><a href="http://www.esperanzasgardencenter.com">www.esperanzasgardencenter.com</a></td>
<td><a href="http://www.tropicalfruit.com">www.tropicalfruit.com</a></td>
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<tr>
<th>Kathy’s Korner Nursery &amp; Tree Farm (10% off trees)</th>
<th>Palm Harbor Nursery &amp; Landscaping (10% off cash and carry)</th>
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<tr>
<td>6095 Haines Road North, St. Petersburg</td>
<td>450 Riviere Road, Palm Harbor</td>
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<tr>
<td>727-525-9640</td>
<td>727-784-2992</td>
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<td>Mon – Sat 9 a.m. - 5 p.m., Sun 10 a.m.- 4 p.m.</td>
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<th>Twigs and Leaves</th>
<th>Wilcox Nursery</th>
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<tr>
<td>2131 Central Ave., St. Petersburg</td>
<td>12501 Indian Rocks Road, Largo</td>
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<tr>
<td>727-822-5400</td>
<td>727-595-2073</td>
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<td>Mon – Sat 9 a.m. - 9 p.m., Sun 9 a.m.-3 p.m.</td>
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<td><a href="http://www.twigsnleaves.com">www.twigsnleaves.com</a></td>
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<td>4401 49th St. N, St. Petersburg</td>
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<td>727-522-2594</td>
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<td>Mon – Fri 8 a.m.– 5 p.m., Sun 10 a.m.-4 p.m.</td>
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Volunteer Opportunities and Announcements

- **The Boys and Girls Club** of Tarpon Springs has won a grant from the Green Education Foundation to build a garden. We have been invited to participate in the one-day build. The build is scheduled to happen on Sept. 17 from 8 a.m. until noon. Breakfast and lunch will be provided for volunteers. They’d like four MGs. Two people have signed up so there is room for 2 more!

- **Bob Albanese** is still looking for donations of full size pink and white pentas cuttings for the landscape. He wants the old un-improved varieties which are better butterfly and hummingbird attractors and more resistant to root born soil diseases. If you have these and would like to share, please contact him at ralbanese@pinellascounty.org.

- **Attention Help Desk MGs**: extra volunteers are needed for the Help Desk on Monday, Oct. 24 and Tuesday, Oct. 25 so that staff can attend important training sessions. Two MGs on the phones and two MGs at the desk would be great. Please consider helping out. With the reduced budget it’s difficult to accommodate for staff training, which is so important. Your time would help our horticulture staff stay abreast of the latest information.

- **The Humane Society** of Pinellas County is looking for some Master Gardener help with a landscape design for their facility that is sustainable and beautiful. They are interested in providing space in the design for educational elements that interpret the Florida-Friendly principles used in the landscape, so this is a great opportunity to educate the public while helping a great organization.

- **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.

- **Volunteer Hours for Master Gardeners Only**: We are now able to collect all of your hours in the MG VMS online. Now you can track all of your Pinellas County volunteer time in one place! For any non-Master Gardener work, simply choose the following project category: X_NON-MG Pinellas County Volunteer Hours. Some examples of volunteer time that can go in this new category include working at the FBG gift shop or on the Wedding Garden mosaic project.

  This means that Master Gardeners can report all of their time in the new system and will no longer be logging into the County VSP. The system is web-based, secure and user-friendly. You can even jump on from your web-enabled cell-phone if you like. Go to https://florida.volunteersystem.org and click on the New User tab. For those who are unable to input hours, we will still provide a log book.

**Volunteers, other than MGs, will continue to use the County VSP system and log book next to the help desk.**

Please adhere to the policy described at left.

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County VSP system and procedures apply only to non-MG volunteers.

Record Your Volunteer Hours
Please Remember to Sign Out!

The computer program for logging volunteer hours is next to the help desk. Make this your first stop and last stop. You must **sign in and sign out** when you are at Extension. When the computer is not functioning you can still log your time in the book. Those who volunteer at other facilities should e-mail hours after each visit. When not at Extension, please e-mail your hours to: escaffidi@co.pinellas.fl.us Direct questions to volunteer coordinator Chuck Scaffidi or assistant Emma Eshbaugh.

The County VSP system and procedures applies only to non-MG volunteers.
• **Garden Yard Tour** – See you in the fall.

• **MG Update** – On Aug. 8 Dr. Doug Restom Gaskill of the USDA will talk about laurel wilt and how we can help educate the public. Potluck follows.

• **Exciting Changes**—coming to our demonstration gardens, including rejuvenating the gardens on the north side of the Extension building. Once the areas are designed, we will be looking for help. If you are interested, contact Theresa Badurek or Terry Berube.

• **The International Master Gardener Conference**—will be in West Virginia in October. For details, go to [http://imgc.ext.wvu.edu/](http://imgc.ext.wvu.edu/)

• **Heritage Village Collecting Items for Fall Flea Market/Book Sale**

  The Pinellas County Historical Society is collecting items for the upcoming Heritage Village Flea Market/Book Sale. The sale, held during the annual Country Jubilee on Saturday, October 22, is a major fundraiser for Heritage Village. **Clothing, shoes, TVs or computer donations cannot be accepted**, but almost all other items are welcome. Items to be sold include books, tools, dishes, silverware, sports equipment, craft items, toys, games, linens, jewelry, accessories, antiques, collectables, furniture, decorative items, seasonal decorations, house wares and much more!

  Donations may be brought to the Heritage Village office any time that the Village is open to the public (Wednesday through Saturday between 10 a.m.- 4 p.m. and Sundays from 1-4 p.m.) between now and the sale. Arrangements may be made ahead of time for special or large drop-offs of items by calling the Historical Society at 727-582-2233 and leaving a phone number so that an appointment can be arranged. Thanks to all for your support of Heritage Village!!! Visit: [http://www.pinellascounty.org/heritage/](http://www.pinellascounty.org/heritage/)

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**Education**

**Earn Continuing Education Credits**—MGs can earn up to four continuing education credits by completing **Plant ID 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 2-3:30 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. (This is a change of venue.) 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.

• **“Planting Pinellas” blog** Check it out at [http://plantingpinellas.blogspot.com/](http://plantingpinellas.blogspot.com/)

Contact Theresa Badurek at 727 582-2109 or tbadurek@pinellascounty.org to follow up on any of the items.
At least two bay trees in Pinellas County have recently been identified with the deadly redbay ambrosia beetle, laurel wilt disease. At our August Master Gardener Update, Dr. Doug Restom Gaskill, the pest survey specialist with the USDA who located the infected trees, will address this issue. As Master Gardeners you may get questions about this topic and it would be beneficial for you to learn all you can about this threat.

The redbay ambrosia beetle (*Xyleborus glabratus*) introduces a vascular fungus (*Raffaelea lauricola*) into its host, which causes infected redbays and other hosts in the *Lauraceae* to wilt and die within weeks or months. The beetle does not actually feed on the wood, but feeds on the fungi they inoculate into galleries in the sapwood. The term “laurel wilt” is used to describe this insect and disease complex. Symptoms of laurel wilt include wilting of leaves and young stems, color change in leaves from light green to dark purplish green or greenish brown, dead leaves hanging on the tree, stem and limb dieback, trunk and major limbs that show dried sap (white, crystalline, powder like material), dark streaks in the sapwood, small, and dark holes in the sapwood indicating wood boring beetles are present.

IFAS offers the following recommendations for homeowners to help reduce the spread of laurel wilt:

- Report any suspicious redbay, sassafras and avocado trees to the Division of Plant Industry at 1-888-397-1517. These trees are all in the Laurel family. As far as is currently known, the redbay ambrosia beetle *does not* attack trees in other families like oaks, maples, mangoes, sapodilla, and citrus, nor are these species susceptible to the fungus that causes laurel wilt.
- Redbay and other host woody forest species *should not be moved* or sold as firewood, tree trimmings, BBQ smoke-wood, mulch or wood-turning material.
- Extreme caution should be used in moving live host trees (e.g., redbay, avocado) and wood products into counties where the pest is not yet found. Insect- and disease-free containerized host trees should only be purchased from registered nurseries, and trees showing any signs of wilt or dieback should be destroyed immediately.

Please join us for the Master Gardener Update on Monday, Aug. 8 from 9 a.m.-noon (potluck to follow) to learn more about laurel wilt. You can get more information at [http://edis.ifas.ufl.edu/hs391](http://edis.ifas.ufl.edu/hs391). See back page for a laurel wilt disease cycle chart.

Thank you so much for all that you do!
Contact me at 727-582-2109 or tbadurek@pinellascounty.org
2011 August

Thank You, Volunteers!

- MG update Aug. 8. Dr. Doug Restom Gaskill of the USDA. Potluck to follow!!

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?