

Spring 2015
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Good Results From Florida's Urban Tree-Planting Program, UF/IFAS Study Shows

Brad Buck, University of Florida



Many people around the country, such as the one seen here, are planting trees in urban settings. A new UF/IFAS study shows Florida's urban-tree planting program works: 93 percent of trees planted between 2005 and 2009 were still alive five years after they were planted.

GAINESVILLE, Fla. – Florida's urban tree-planting program works well: 93 percent of the trees planted were still alive up to five years after they were planted, a new University of Florida study shows. UF researchers attribute the high survival rate to the state's rules for projects funded as part of its Urban and Community Forestry Grants program.

Run by the Florida Forest Service, the program began in 1990 to encourage cities to plant more trees for such benefits as energy savings, air and water quality and higher property values. For the current fiscal year, program officials approved \$307,000 in federal money for 20 Florida cities, counties and nonprofits to help support trees. Under the program, local entities must match the federal grants. And one year after trees are planted, the Florida Forest Service conducts on-site inspections to be sure trees, which are planted on public properties or rights of way, are alive and healthy.

For the study, scientists with UF's Institute of Food and Agricultural Sciences in 2010 surveyed 2,354 trees planted at 26 sites, including Orlando, Tampa, Ocala, Lakeland and Vero Beach. They looked at trees planted between 2005 and 2009 to see how many survived and why. Researchers studied trees planted in

parks, parking lots, lawns, along streets and in highway medians.

UF researchers say the key is not just planting the trees, but monitoring how long they survive in urban environments. "Often, folks fall into the trap of measuring urban tree-planting program success simply

[*Urban Tree Planting continued on page 5*](#)

A Message From the President



I am so excited and honored to be the president of the Florida Chapter ISA this year. This is a momentous year with Florida Chapter hosting the ISA International Conference in August, ITCC in March and Tour des Trees in the

fall. What a great opportunity to participate in these events, all in our own backyard!

Have you had a chance to go to a tree climbing championship? I have been able to go to the Florida Chapter's TCC for the last three years and it showcases our climbing community in their skills, athleticism and sportsmanship. As a certified arborist that has never climbed a tree (except when I was young), I am so impressed with how athletic and capable the tree climbers are. The camaraderie is amazing - the TCC is a family event with contestants, their families, friends and spectators all rooting for each other. It is a real experi-



ence to see the different competition events including aerial rescue (always exciting), belayed speed climb, secured footlock, throwline and work climb. After the competition is completed, the master's challenge is held in which the best of the best compete for the title of Florida Champion who will go on to represent our chapter at the ITCC.

If you haven't been to a tree climbing championship before, this is the year to go! The International TCC is in Tampa this year on March 21 - 22, 2015 at Rowlett Park. You will be able to watch the greatest climbers from across the world as they compete in the International Tree Climbing Championship to earn the title of World Champion. You can also cheer for Michael Cross, our Florida Chapter Champion this year. ISA will also be offering Tree Academy Workshops and other workshop opportunities during the event Friday through Sunday. You can browse through the Arbor Fair and Expo to see the outdoor trade show with equipment demos and displays. You can get more information about all the ITCC events here: <http://www.isa-arbor.com/events/eventsCalendar/index.aspx?ID=2011>

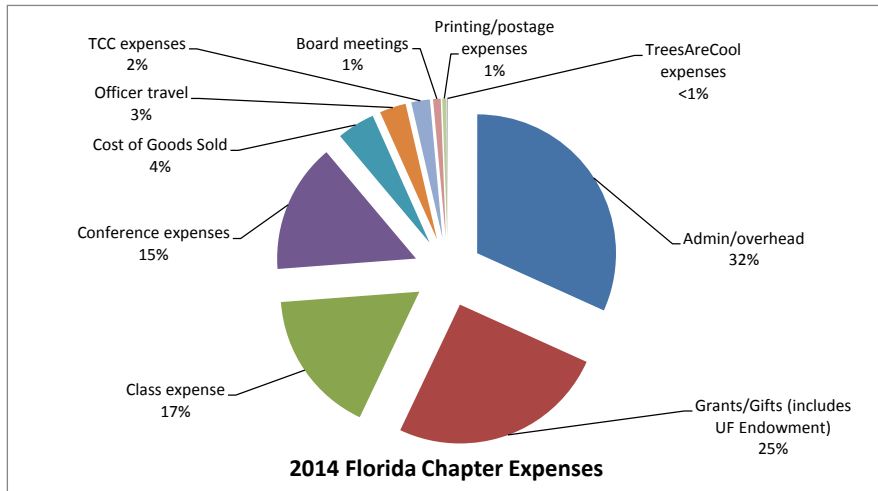
I wanted to let you know that Vice President Bonnie Marshall and I have decided to work on common goals during the next two years of our terms. Both of us and any board member are accessible to you to discuss any ideas, questions, concerns and comments that you might have. Please feel free to talk to us at seminars, events, send us an email or give us a call. We are your Board of Directors and are committed to make Florida Chapter ISA the best it can be!

Sincerely,

Celeste White
President, Florida Chapter ISA

2014 Florida Chapter Expenses

How the Chapter's money was spent during the 2014 Fiscal Year



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MEMO BOARD

Trees and the Law

February 24, 2015 - West Palm Beach
Register online

March 5, 2015 - Tallahassee
Register online

Flyer

ISA Symposium: The Cost of Not Maintaining Trees

March 18-19, 2015 - Tampa USF Campus
Register Online
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Arbor Fair & Expo with Tree Academy Workshops!

March 20-22, 2015 - Tampa Rowlett Park
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Urban Tree Planting continued from page 1

by the number of trees put in the ground,” said Andrew Koeser, assistant professor of environmental horticulture at UF’s Gulf Coast Research and Education Center in Balm and a study co-author. “They need to become established and hopefully grow long enough to generate all the benefits they are known for.” The bigger the trees, the more they help society through cooling, increased property values and carbon sequestration, Koeser said.

Scientists studied three species – live oak, bald cypress and Southern magnolia, said Ed Gilman, a UF/IFAS environmental horticulture professor and study co-author.

Researchers counted the number of trees planted versus the number that survived. Trees with at least some foliage were deemed living. They also rated trees on such factors as trunk diameter, crown condition, percentage of crown with live foliage and tree firmness in the ground. The crown includes all parts of a tree above ground. On-site irrigation that runs on timers played a big role in the trees’ survival and growth, with 97 percent of Southern magnolia surviving on sites with irrigation compared with 74 percent where irrigation was not automatic. Some places didn’t have irrigation on-site, but trees were likely still watered because local entities used a truck with a hose to water them, Gilman said.

As part of the requirements for the grant program, trees found missing or dead within 12 months of planting were replaced. Trees die most frequently during the first two years after planting because of insufficient care, poor nursery stock and vandalism.

Cities throughout America are trying to plant trees. Organizers of a program in South Florida hope to plant 1 million trees by 2020. Similarly, an initiative in Denver aims to plant 1 million trees by 2025, as does New York City.

The study cited only two major cities with tree-survival rates higher than Florida’s urban tree-planting program – Philadelphia with 96 percent New York City with 95 percent – one to five years after planting. However, Florida’s program replaces young dead trees, and the study doesn’t account for that when comparing to the major metropolitan areas.

Koeser presented the findings in August at the International Arboriculture Society conference in Milwaukee.

Sources:
Andrew Koeser, akoeser@ufl.edu and Ed Gilman, egilman@ufl.edu ❖

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Contact: Mary DiCarlo
630-369-8300 x202

One of the perks of a STIHL Tour des Trees journey is the chance to see a part of the country you may have previously visited from a new perspective.

Cycling slows down the pace of sightseeing and removes the barriers between the traveler and the countryside. Details easily missed at 65 mph (flora, fauna, ice cream shops) come into sharper focus, especially when shared with friends traveling at the same pace in support of a common cause.

The 2015 STIHL Tour des Trees, traveling from Orlando to Ft. Lauderdale October 25-31, will give its riders a "behind the scenes" perspective of some of America's most popular tourist destinations, including a backstage horticulture tour of Disney World and a VIP tour of Miami's famed Fairchild Tropical Botanic Garden. In between are 561 miles of beautiful beaches, unique ecosystems and daily opportunities to explore and enjoy America's Sunshine State.

The Florida Tour has set its fundraising goal at \$625,000, and registration is filling quickly with long-time veterans of the ride (now in its 24th year) and new recruits anxious to experience one of the most comprehensive charity rides in North America. This year's riders can look forward to educational programs for local kids featuring [Professor Elwood Pricklethorn](#), tree plantings featuring the Tour's signature 'blessing' ("Grow, tree, GROW!!") plus extra-curricular activities that range from the intellectual (a research update from Dr. Ed Gilman) to the opposite (beach cruisers and cannonball contests). It's a cycling vacation, a reunion, an education and a unique opportunity to make a difference in the world. PLUS this year's ride comes with shorter-mileage options for those



who would prefer a massage and a beachfront libation over a "personal best" on their odometer. [Register now](#) to get your name on the 2015 roster!

The STIHL Tour des Trees also is a unique opportunity to put professional arboriculture in the spotlight for a week. Tour events feature a unique mix of trees, kids, bikes and otherwise-ordinary people doing extraordinary things for a week. It makes for compelling media, generating daily interview opportunities for local tree care professionals who join the cause. The TREE Fund is looking for support from Florida's arboriculture community to:

- Sponsor a rest stop (\$1000: includes on-site recognition, volunteer and media opportunities)
- Sponsor a lunch stop (\$2500: includes on-site recognition/volunteer/media opportunities plus [Bronze Sponsor recognition](#) on Tour jersey, banners and website)
- Sponsor an education event or dinner (\$5,000: includes on-site recognition/volunteer/media opportunities plus [Silver Sponsor recognition](#) on Tour jersey, banners and website)
- Help staff our stops and events with volunteers from your team

Tour sponsorships ensure that the money raised by our riders supports research and education, not event costs, and give the local tree care community the chance to meet and welcome the riders firsthand. [Check out the itinerary](#), then contact Mary DiCarlo at 630-369-8300 to claim a sponsorship opportunity in your service area. ❖

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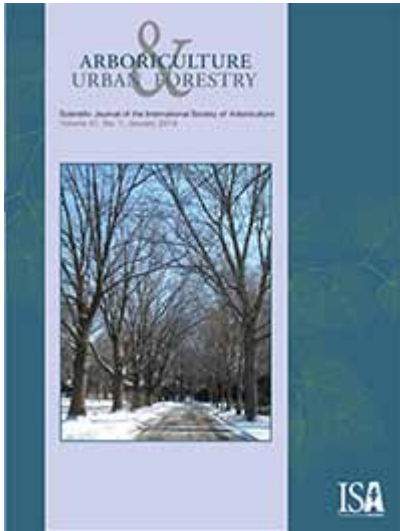


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News From International

New Arboriculture & Urban Forestry Editor-in-Chief Onboard



Dr. Jason Grabosky has formally assumed the role of editor-in-chief (EIC) as Dr. Gary Watson moves on to other opportunities after seven years as EIC. ISA is fortunate to have such esteemed researchers in the field of arboriculture contribute their leadership skills and expertise to ensure the high-quality information you expect from ISA's science and research journal.

After seven years of service as editor-in-chief (EIC) of *Arboriculture & Urban Forestry* (ISA's science and research journal) and seven years as chair of the journal's editorial board, Dr. Gary Watson bids farewell to pursue other challenges and opportunities in his role as director of research at The Morton Arboretum (Lisle, Illinois, US). The journal editorial board, ISA staff, and ISA membership know that many thanks are due Dr. Watson for his tireless efforts in developing and refining the manuscript review process. Under his leadership, the editorial board transitioned into a larger, more international group of experts and developed a greater focus resulting in the stronger journal that we enjoy today. We all hope to continue this stewardship by developing further strategies for increasing citation rates and thus the prominence of the journal for the research community. This is a goal we will need to reach while also meeting the needs of the practicing tree care professional.

The journal will continue in its mission to foster a greater appreciation for trees and to promote the research, technology, and practice of professional arboriculture and urban forestry. As of the January 2015 issue of *Arboriculture & Urban Forestry*, the transition to a new editor-in-chief is well underway. Dr. Jason Grabosky, a professor at Rutgers University's School of Environmental and Biological Sciences (New Brunswick, New Jersey, US) has agreed to serve in the role of EIC. The editorial transition began in November 2014, and Grabosky was formally appointed in

January 2015. This transition was developed by journal staff, working with the Arboricultural Research and Education Academy (AREA) and the ISA Research Committee to produce a slate of appropriate candidates.

We appreciate the patience of those who are affiliated with the journal as well as those who are submitting manuscripts in this time of transition. Dr. Watson's knowledge and hard work has positioned the journal very favorably, and it is with this stability that we look forward to a seamless transfer of responsibilities. ❖

ISA Launches Style Guide LTE to Help You Market Your Business

Would you like an easier way to access the specific ISA Member or Certification logos you have permission to use, as well as the important information you need to know about the correct ways to use them? ISA is excited to introduce [Style Guide LTE](#) to help you do just that! Take a look now, and watch for more information to come in the February 2015 issue of *Arborist News*. ❖



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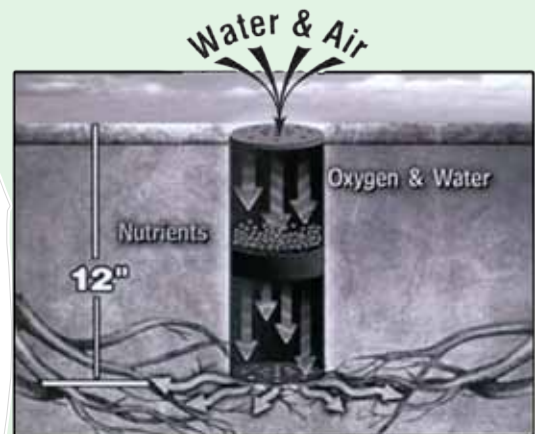
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Carbon Accumulation by Southeastern U.S. Forests May Slow

Source: USDA Forest Service - Southern Research Station

Carbon accumulation levels in the Southeastern U.S. may be slowing due to forest dynamics and land use changes, according to findings of U.S. Forest Service researchers published in the journal *Scientific Reports*.

The study authored by Forest Service Southern Research Station (SRS) scientists John Coulston, David Wear, and Jim Vose is the first to isolate the impacts of forest disturbances, such as fire, disease, and cutting, as well as the impacts of land use change using permanent monitoring locations across the Southeast making it one of the most thorough carbon studies completed. Researchers show that future carbon accumulation rates are highly sensitive to future land use changes. Land use choices that either reduce the rate of afforestation or increase the rate of deforestation are key factors in future forest carbon accumulation.

“Future land transitions are uncertain but relatively small changes in afforestation from agriculture result-

ed in substantial decrease in accumulation rates,” said Coulston. “While tree-cutting did cause a decrease, overall forest growth was much greater, partly due to the rapid growth of younger forests.”

The aging of forests in the region was also a significant force behind potential slowing accumulation rates as growth rates are typically lower for older forest. The study found forests to be fairly resilient to natural disturbances caused by weather, insects, diseases and fires. These disturbances reduced carbon accumulation rates but the losses were compensated by subsequent regrowth and storage of dead material on the site.

“These findings highlight the need for careful assessments of policies that affect forest management and land use changes in rural areas of the Southeast,” said Wear, project leader of the Station’s Center for Integrated Forest Science. “Continued forest carbon accumulation in the region is highly sensitive to land use transitions.”

The impact of land use transition is especially significant in the Southeast where 89 percent of the forested land is privately owned, underscoring the importance of land use policies that provide incentives for keeping lands in a forested condition.

The study estimated impacts on forest carbon accumulation in the region between 2007 and 2012, and projected potential changes out to 2017 based on forest growth and land use change scenarios. ❖

Florida e-Tree News



The Florida e-Tree News is a free monthly e-letter sent out by the Florida Chapter ISA. It is intended to inform arborists, tree care workers, landscape architects and other green industry professionals of up-to-date arboriculture information in the state of Florida.

www.floridaisa.org



FLORIDA CHAPTER ISA HOSTS THE 2015 INTERNATIONAL ISA CONFERENCE

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ITCC:
March 21-22, 2015
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ISA CONFERENCE:
August 8-12, 2015
GAYLORD PALMS
ORLANDO, FL



TOUR DES TREES:
FALL 2015
ORLANDO
to
FORT LAUDERDALE, FL



Click Here to Watch a Video About The 2015 International Conference

2015 will be a very special year for the Florida Chapter as host for the International ISA Conference in Orlando, August 8-12, 2015. This means that there will be no Florida Chapter Trees Florida Conference in June, 2015.

2015 Where the Trees Meet the Seas!



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August 8-12 2015

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Palms fertilization in the landscape

Henry Mayer, Miami Dade IFAS Extension Agent

Based on: Broschat, T.K Fertilization on Field-grown and Landscape palms in Florida. September, 2014, <http://edis.ifas.ufl.edu/ep261>

Chemical symbols used in this document are:

N=nitrogen, P=phosphorus, K=potassium,
Mg=magnesium, Ca=calcium, Mn=manganese,
Fe=iron, B=boron, Cu=copper, Zn=zinc

Spring is almost here and the foxtail, royal, and queen palms are going to need some help in order to grow vigorously. In order to give palms the correct nutrient quantity and balance they need, you need to know the following:

What formulation do you need to use?

If you don't know what fertilizer you need to use, it's very easy to get confused! Many years researching palm fertilization research at the University of Florida, has shown that regular use of a fertilizer having an analysis (the three numbers on all fertilizer labels which refer to their N-P₂O₅-K₂O + Mg content) of **8-2-12 +4** with micronutrients can correct mild to moderate deficiencies and prevent their recurrence in most soil types in south and central Florida. However, not all fertilizers having this analysis are effective, and if improperly formulated, they may be worse for palm health than no fertilizer at all.

You need to read and understand the fertilizer label!

First of all, it is essential that 100% of the N, K, and Mg in a fertilizer be in slow release form. Since Florida's soils have very low capacities to retain these elements in the root zone during periods of heavy rainfall or irrigation, the only effective way to keep these elements readily available to plants during the two to three month interval between fertilizer applications is to use slow release sources. The soil N:K, N:Mg, and K:Mg ratios are very important for palm health and it is essential that all three elements have similar release rates

to keep these ratios constant over time.

A water-soluble source applied one day could be completely leached out of the root zone the next day by a heavy rainfall and the palm would receive no benefit from the application. Controlled-release fertilizers are not greatly affected by rainfall or irrigation intensity. Since they release more slowly than water-soluble fertilizers, they are also less likely to burn plant roots during periods of drought.

Unlike the macronutrients, N, K, and Mg that should be in slow release form, most micronutrients (Mn, Fe, B, Cu and Zn) need to be in a water soluble form. However, granular slow release forms of B are safer and more effective for Florida landscape soils.

Effective sources for N include sulfur-coated urea, urea-formaldehyde, **resin-coated urea and resin-coated ammonium salts**. Of all the slow-release K sources tested, sulfur-coated potassium sulfate was found to be the most effective and economical. Prilled kieserite (a more slowly soluble form of magnesium sulfate than Epsom salts) is an effective and low-cost slow release form of Mg. Coated Mg products tend to release too slowly to be effective. Slow release B sources such as Granubor are less affected by leaching than the water soluble B sources often used in landscape fertil-

[Palms Fertilization continued on page 15](#)



Fertilización de las Palmas en el Paisaje en la Florida

Henry Mayer, Miami Dade IFAS Extension Agent

Basado en: Broschat, T.K Fertilization on Field-grown and Landscape palms in Florida. Septiembre 2014, <http://edis.ifas.ufl.edu/ep261>

Los símbolos químicos utilizados en este documento son los siguientes: N=nitrógeno, P=fósforo, K= potasio, Mg=magnesio, Ca=calcio, Mn=manganeso, Fe=hierro, B=boro, Cu=cobre, Zn=zinc

La primavera ya casi está aquí y algunas palmas como foxtail, royal, queen, phoenix van a necesitar de ayuda para crecer con fuerza. Para darle a las palmas los nutrientes adecuados tanto como en cantidad como calidad, necesita conocer la siguiente información:

¿Qué fórmula es necesario utilizar?

Si no sabe qué fertilizante necesita usar, es muy fácil confundirse. Después de muchos años investigando la fertilización en palmas, los investigadores de la Universidad de La Florida han demostrado que el uso de un fertilizante con un análisis (los tres números en las etiquetas de fertilizante que se refieren a N-P₂O₅-K₂O contenido) de **8N-2P₂O₅-12K₂O+ 4Mg** con micronutrientes es el mejor para corregir deficiencias leves y moderadas en el sur y centro de Florida. Sin embargo, no todos los abonos con un análisis de 8N-2P₂O₅-12K₂O+ 4Mg son eficaces, cuando están mal formulados pueden ser peor para la salud de la palma.

Es necesario leer y comprender la etiqueta del fertilizante!

En primer lugar, es esencial que el 100% de N, K, y Mg en un fertilizante sea en forma de liberación lenta. Esto es debido a que los suelos son muy malos y no tienen capacidad para retener esos elementos en la zona radicular durante los 2 a 3 meses de intervalo entre aplicaciones durante períodos de fuertes precipitaciones o en condiciones de riego. En el suelo, las relaciones entre N:K, N:Mg y K:Mg son muy importantes para la salud de la palma y es esencial que los tres elementos tengan tasas de liberación similares para mantener esas

relaciones constantes en el tiempo.

Una fuente de fertilizante soluble en agua sería completamente lavado de la zona radicular al día siguiente de una fuerte lluvia, la palma no recibiría ningún beneficio. Los fertilizantes de liberación lenta no se ven muy afectados por la lluvia o riego. También hay menos posibilidad que quemem las raíces de las plantas durante los períodos de sequía.

A diferencia de los macronutrientes (N, K, y Mg), la mayoría de los micronutrientes (Mn, Fe, B, Cu y Zn) deben estar en una forma soluble. Sin embargo, los de lenta liberación de boro son más seguros y más eficaces en Florida.

Fuentes efectivas de N son los que están recubiertos con azufre como **resin-coated urea and resin-coated ammonium salts y urea-formaldehído**. Para el Mg se recomienda Kieserita (sulfato de magnesio de sales de Epsom lentamente soluble). Los fertilizantes de liberación lenta de B como Granubor se ven menos afectadas por los efectos de la lixiviación de las aguas que los tipos solubles. Para Mn, Zn, Cu la única forma recomendable son las formas con sulfatos. Debido a que el sulfato de hierro es bastante ineficaz en la mayoría los suelos en Florida, se recomienda la forma chelataada como Fe Trachelene.

[Palm Fertilization continued on page 16](#)



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Photo: Brian Bixler. Arborist: J. David Driver (the X man).

“TCIA’s leadership and guidance have allowed us to do what we do best; spend more time in the field.”

Doug Edwards, Arborist Tree Care Enterprises, Inc.

Palms Fertilization continued from page 12

izer blends. The only recommended Mn, Zn, and Cu sources are the sulfate forms of these elements. Since iron sulfate is rather ineffective on most Florida soils, granular chelated products such as Trachelene Fe are preferred for blending into palm maintenance fertilizers.

What is the best way to apply the fertilizer?

You can buy the best fertilizer but the manner in which you apply it can also determine whether the application will be effective or not. Concentrating fertilizer in holes, as spikes, or in bands around the trunks of palms is less effective than spreading the same amount of fertilizer uniformly throughout the area under the canopy. This is because nutrient movement is almost exclusively downward and thus only that small proportion of the palm root system directly under concentrated fertilizer will ever be exposed to these nutrients. Concentrating fertilizers is also much more likely to burn palm roots than fertilizer spread out over a larger area. Injecting water-soluble fertilizers into the "root zone" of palms is not recommended because: 1) water-soluble fertilizers are readily lost to leaching, 2) lateral movement of injected fertilizer is minimal, and 3) injecting any nutrients deeply enough to avoid turfgrass roots will also miss the majority of the palms fine feeder roots which tend to intermingle with turf roots near the soil surface.

The 8-2-12+4 with micronutrients maintenance fertilizer blend described above should release nutrients for up to three months, and thus a three-month application interval is recommended. The suggested application rate for south Florida landscapes is 1.5 lbs. of 8-2-12+4 with micronutrients fertilizer per 100 sq. ft. of palm canopy area, bed area, or landscape area.

While the 8-2-12+4 with micronutrients maintenance fertilizer described above was developed primarily for the nutritional requirements of palms, other types of plants, including broadleaf trees, shrubs, and herbaceous ornamentals, fruit trees, and even turfgrass growing in the same soil are subject to the same inherent nutritional deficiencies in these soils. Since palm nutritional requirements are higher than those for other types of plants, a fertilizer that is suitable for palms will

be more than suitable for other types of plants. Comparative trials at the University of Florida's Ft. Lauderdale Research and Education Center have shown that St. Augustine grass fertilized with the above palm maintenance fertilizer had quality equal to that produced by a high quality turf fertilizer

Use of the above 8-2-12+4 with micronutrients fertilizer is recommended for use on the entire landscape. This not only simplifies fertilization by having to use only a single product, but eliminates a serious problem encountered when high N turf fertilizers are applied to turf areas with palms growing nearby. Roots of large palms typically extend out 50 feet or more from the trunk in all directions and will take up whatever fertilizers have been applied to the turfgrass. When applying high N fertilizers like the 22-2-11 even 30 feet away from a palm on one side only have been known to kill palms from induced K deficiency. Given the high value of most specimen palms, applying high N fertilizers to the palms or to nearby turfgrass is no bargain, no matter how much less it may cost. ❖

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or email floridaisa@comcast.net**

Palms Fertilization continued from page 13

¿Cómo es la mejor manera de aplicar el fertilizante?

Usted puede comprar el mejor fertilizante pero el saber cómo aplicarlo determinará si la aplicación será efectiva o no. Concentrar el fertilizante en bandas alrededor del tronco o en agujeros, como cuando se utilizan espigas es menos eficaz. Se debe aplicar el producto uniformemente distribuido por toda la zona bajo la copa de la palma. Esto es así porque el movimiento de nutrientes es casi exclusivamente hacia abajo y, por lo tanto, sólo una pequeña porción de raíces será expuesta a los nutrientes cuando se aplica en bandas o en agujeros. Además al concentrar los fertilizantes es mucho más probable de quemar las raíces. Inyectar fertilizantes solubles en la “zona radicular” de las palmas no es recomendado debido a que: 1) fertilizantes solubles son fácilmente perdidos por lixiviación, 2) el movimiento lateral de los fertilizante es mínimo, y 3) inyectar nutrientes muy profundos para evitar las raíces del césped tampoco es eficiente ya que evita la mayoría de las raíces de las palmas que tienden a entremezclarse con las raíces del césped cerca de la superficie del suelo.

El 8N-2P2O5-12K2O+ 4Mg con micronutriente, deberían liberar los nutrientes durante un máximo de tres meses, por tanto, se recomienda un intervalo de aplicación cada tres meses. La cantidad a aplicar para el sur-centro de la Florida es de 1,5 libras del 8N-2P2O5-12K2O+ 4Mg por 100 sq. ft. de área de superficie cubierta por la palma, área de la cama, o zona de paisaje.

Aunque el 8N-2P2O5-12K2O+ 4Mg se desarrolló principalmente para las necesidades nutricionales de las palmas, otros tipos de plantas, incluyendo especies leñosas, arbustos y herbáceas ornamentales, árboles frutales y el césped lo pueden utilizar. Estudios comparativos de la Universidad de La Florida en Fort Lauderdale (FLREC) han demostrado que la grama San Agustín cuando es fertilizada con el fertilizante de palma le produce una buena coloración. Cuando se aplican fertilizantes con alto nivel de nitrógeno como el 22-2-11 cerca de una palma (menos de 30 pies) se han observado daños a la palma debido a que se induce una deficiencia de K. Dado el elevado valor monetario de las palmas, es recomendable gastar un poco más en fertilizante en orden de evitar estos daños. ❖

MEMBER BENEFITS

**Compare the benefits!
Decide which membership suits you best:
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Benefits for joining International ISA:

- *Arborist News* publication
- *Arboriculture & Urban Forestry* publication
- Online access to *ISA Today* and other ISA newsletters
- Discount on annual ISA Conference
- Discounts on ISA merchandise
- Access to members-only online resources
- Use of the ISA Member logo
- ISA job bank
- ISA member directory listing
- *True Professionals* program
- Online *Find a Tree Care Service* tool

International Society of Arboriculture MEMBERSHIP

Benefits for joining the Florida Chapter:

- Quarterly *Florida Arborist* newsletter
- Discounts on Florida Chapter seminars and online learning
- Discount on annual Trees Florida Conference and Trade Show
- Discounts on Florida Chapter merchandise
- Access to Florida Chapter lending library
- Florida Chapter awards program

JOIN BOTH!

- Receive all benefits listed above as well as receive deep discounts on certification and recertification fees



JOIN TODAY!

visit www.FloridaISA.org

Be a Part of the 2015 ITCC Tampa Experience - Something for Everyone!



Don't miss the exciting, **new ITCC format – competition, education, Arbor Fair, and Expo as an all-in-one event** at Rowlett Park. Register now for educational workshops and get all the details about these upcoming activities.

During the International Tree Climbing Championship (ITCC) at Rowlett Park in Tampa, Florida, ISA is offering a collection of educational workshops as well as an Arbor Fair and Expo. So escape to Florida for three days of outdoor education, networking, equipment display, and safety training.

EDUCATIONAL WORKSHOPS

Workshops will be held Friday, Saturday, and Sunday, March 20-22, and will include:

The Ultimate Test of Value: Plant Appraisal
presented by Joe Samnik and Lori Ballard

Arborist Safety Training Institute - Chain Saw and Chipper Safety Workshop
presented by Tim Walsh (Offered in English and Spanish)

Pruning Young Trees
presented by Ed Gilman and Jordan Upcavage

Cabling, Bracing, and Lightning Protection
presented by Norm Easey and Jordan Upcavage

Diagnostics – Bugs and Rots
presented by A.D. Ali and Jason Smith

ITCC WITH ARBOR FAIR AND EXPO

Between workshops, don't forget to cheer on your favorite competitors during the ITCC as they demonstrate their skills in safety and technique. You can also browse the Arbor Fair and Expo for educational displays, hands-on and activities, and the latest in industry equipment. Visit the [event web page](#) to access more details about these events.

Be sure to [book your hotel now](#) to get discounted rates. See you in March in the Sunshine State!

The deadline to register is

March 6

[View workshop schedule and register now](#)



Let's Give Them a Pat on the Back!

The Florida Chapter ISA Awards Program is all about spotlighting and honoring deserving arborists, industry professionals and educators and we need your participation in giving them a pat on the back. It's not too early to submit award applications - this year's applications are due at the Chapter office by MAY 15th. Typically awards are presented at our annual Trees Florida Conference but since there is no Trees Florida this year, the 2015 awards will be scheduled to be presented to each individual in his/her hometown during the summer/fall months.

Most of you can readily think of someone you admire in the arboricultural field here in Florida. Perhaps it is a colleague who guided you along this career path. Or someone who planted seeds of knowledge at a seminar or conference. You may know someone who has given selflessly to the urban forest in your local region. The current award categories are as follows:

- **Edward W. Bok Award:** the highest award category awarded by the Florida Chapter ISA. This award will be presented from time to time, as deemed ap-

propriate by the awards committee, to that individual whose lifetime achievement is exemplary to the goals and mission statement of the Florida Chapter.

- **Award for Excellence in Education:** given to an individual who has made an outstanding contribution to the education of the Florida Chapter members or to the sum knowledge of arboriculture.
- **Award of Distinction:** bestowed upon an individual, long standing active member (10 years or more) who has provided substantial, long-term contribution to the advancement of the purpose and substance of the Florida Chapter.
- **Loren Westenberger Award:** given to an individual who, like Loren Westenberger, has practiced the professional principles of arboriculture consistent with the mission and objectives of the Florida Chapter to better the environment for future generations.

Access further [information](#) and the application [form](#) on the Florida Chapter website. Spend a few minutes nominating an esteemed colleague. Applications are reviewed by the Florida Chapter Awards Committee and winners are notified prior to presentation. ❖

New OSHA Rules

As of January 1, employers are now required to report to the Occupational Safety and Health Administration (OSHA) all work-related fatalities within eight hours and all in-patient hospitalizations, amputations and losses of an eye within 24 hours of finding about any such incident. Previously, employers were required to report all workplace fatalities or when three or more workers were hospitalized in the same incident. Employers have three options for reporting these incidents to OSHA: You can call your nearest OSHA area office during normal business; call the 24-hour OSHA hotline at 800-321-OSHA; or, [report online](#). For more info and resources, visit www.osha.gov. ❖



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Florida Chapter ISA Presents

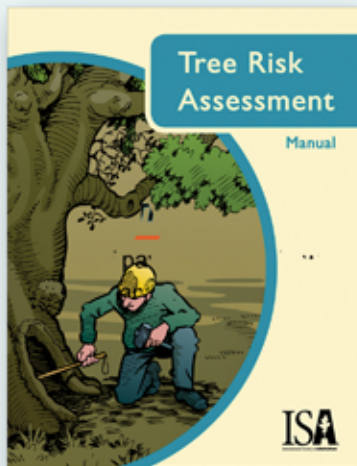
ISA Tree Risk Assessment Qualification

3 days: Tuesday, May 26, 2015: 8 AM - 5 PM
 Wednesday, May 27, 2015: 8 AM - 5 PM
 Thursday, May 28, 2015: 8 AM - noon

UF-IFAS Leon County Extension
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This three day TRAQ class and exam is open to interested parties who meet the pre-requisites (see handbook) and is limited to 40 arborists (first-come/first-served). The qualification consists of a two day educational course followed by a half day assessment that includes both a written and field component. It is required that you attend the course and successfully complete the assessment in order to receive this qualification.

Registration Closes April 24, 2015

[Click here to view the flyer](#)

[Click here to register online](#)

[Click here to review the handbook](#)

For more information go to the Florida ISA web site. www.floridaisa.org

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▶ YOUR VIEW . . .

The comments below were received in response to the article Real Christmas Trees Better for the Earth Than Artificial Ones, printed in the Winter 2014 Florida Arborist.

This article should have never made it to our newsletter. If you ever saw a Christmas tree farm you'd know that entire mountains are cleared of canopy, midstory and groundcover to create the Christmas tree farm. I saw no mention of the carbon foot print from the loss of the original forest. Substituting a monoculture of Christmas trees for a mature forest is the real issue here. What about the carbon foot print of a three dimensional forest, what about habitat, what about erosion, aesthetics, etc. Do you really think clearing forests are better for the environment than creating Christmas trees from polyvinyl chloride?

Mike Kirby
Senior Environmental Specialist & Certified Arborist
CH2MHILL, Bonita Springs, FL

TREES and the LAW

WEST PALM BEACH

Tuesday, February 24, 2015

CLICK HERE register - West Palm Beach

TALLAHASSEE

Thursday, March 5, 2015

CLICK HERE register - Tallahassee

CLICK HERE to view the flyer pdf

**CEUs: CA: 6.25 BCMA: 6.25 (M)
FNGLA: 4 LIAF: 4
LA: 6.25 provider #0004488 course #0009479**



UF Technique to Help Pine Forests for Bioenergy Use

GAINESVILLE, Fla. — A breakthrough in pine tree breeding will lead to forests better adapted to bioenergy use, University of Florida researchers report. The improved forests will stem from a genetic technique the researchers have developed that can create new tree varieties in half the time it takes current breeding methods.

The technique, detailed in a study published online by the journal *New Phytologist*, is expected to increase the security and competitiveness of the U.S. forestry industry. The Southeast is a leading producer of the world's pine, and in Florida alone, the forestry industry had an economic impact of more than



Matias Kirst, an associate professor in UF's School of Forest Resources and Conservation, has helped develop a new pine tree breeding method using molecular markers that will significantly speed up the time it takes to develop new pine tree cultivars. Kirst is a member of UF's Institute of Food and Agricultural Sciences. UF/IFAS Photo by Tyler Jones.

an author of the study.

"We are under very significant pressure from countries in the world where there's perhaps less regulation, where there's higher photosynthetic capacity and the trees grow more," he said. "So we have to have the ability to breed more rapidly."

\$14 billion on the state's economy in 2009 and provided more than 80,000 jobs. Pine is used for building materials, furniture and paper.

Before the development, creating a new pine variety took more than 13 years. Now, with the new technique, the estimated time is about six years. The savings to the forestry industry are expected to be substantial.


"Competitiveness is a critical element right now," said Matias Kirst, an associate professor in UF's school of forest resources and conservation and

The finding came when the researchers, who are members of UF's Institute of Food and Agricultural Sciences, decided to bypass uncovering every bit of genetic code behind pine tree traits. Instead they used the parts of the genetic code they already knew to develop a trait prediction model. The model allows the researchers to predict with great accuracy traits that will appear in a tree without having to first grow it in a field test, which can take about eight years.

Gary Peter, a professor in UF's school of forest resources and conservation and another study author, said the new method will also enable faster development of trees that can be used for bioenergy, or energy produced from renewable resources. "If we can modify traits much faster, we can create more specialized trees that can be grown for different products than just pulp and paper and solid wood," Peter said. "We can tailor them for energy conversion." The new technique will also allow for the speedier development of trees with improved traits such as better wood quality and disease and pest resistance.

The study's authors also include lead author Márcio Resende Jr., a doctoral student in UF's genetics and genomics program; Patricio Munoz, a doctoral student in UF's plant molecular and cellular biology program; Juan Acosta, a doctoral student in UF's school of forest resources and conservation; John Davis, a professor and associate director of UF's school of forest resources and conservation; Dario Grattapaglia, a genetics and biotechnology resources researcher with Embrapa in Brazil; and Marcos Resende, with the department of forest engineering at the Universidade Federal de Viçosa in Brazil. ❖

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Florida Chapter ISA

A Very Busy Year for the Florida Chapter ISA

Below is a partial list of accomplishments of the Florida Chapter ISA during the past two years:

	2013	2014
Welcomed new Certified Arborists	108	110
Hosted Certified Arborist exams	13	11
Hosted arboricultural seminars	14 seminars in 10 Florida cities	18 seminars in 13 Florida cities
Trained arborists	1263	1351
Hosted a Florida Chapter TCC event	28 climbers- Spring- Maitland	28 climbers- Spring- Polk County 48 climbers- Fall- Tallahassee
Sponsored TCC Chapter winner at ISA ITCC	Dominic Pallotti- Toronto	Jason Gerrish- Milwaukee
Hosted annual Trees Florida Conference	294 in Fort Lauderdale	282 at Innisbrook in Palm Harbor
Earned proceeds from our Florida Specialty Plate "Trees Are Cool"	\$83,870	\$89,761
Published monthly Florida eTree newsletters	Sent to 4000	Sent to 4800
Published 4 quarterly Florida Arborist newsletters	Sent to 1300 members	Sent to 1500 members
Answered phone calls to the Florida Chapter office	3,548	3,440 calls
Answered emails to the Florida Chapter office	9,055	9,125
Processed CEU requests	209	168
"Likes" on our Chapter Facebook page	142	228
Donated to the TREE Fund	\$6005	\$5585
Donated TAC revenues to our UF Arboricultural Endowment	\$60,000	\$60,000
Reached our 1st \$300,000 UF Arboriculture Endowment goal	Working toward	Reached
Gave Chapter service awards to deserving individuals	4	5
Hosted 1 regional Loren Westenberger Work Day with 4 participating companies	3 regional events with 10 participating companies	1 regional event with 4 participating companies
Hosted Tour de Trees riders	3 riders	4 riders
Welcomed new people to the Board of Directors	5 (2 elected, 3 at-large appointees)	5 (2 elected, 1 appointee, 2 at-large appointees)
Donated to FUFUC for their Urban Forestry Institute	\$3000	\$3000
Matched TREE Fund Kimmel Award	\$0	\$5000 to UF-IFAS Gulf Coast REC (Andrew Koeser)
Sold books/items through our Chapter book store	1250	1050
Lending Library available to Florida Chapter members	Continued	Continued

Florida Chapter TCC Congratulations!

FLORIDA CHAPTER



Our congratulations to all the competitors who participated in the Fall Florida Chapter Tree Climbing Championship. Below is the list of the top 10 Florida climbers based on overall scoring:

TOP 10

1. Paul Lloyd-Jones
2. Tim Walters
3. Doug Veltkamp
4. Mike Cross
5. Colin Kelly
6. Jason Gerrish
7. Brian Reneau
8. Jason Smith
9. Ron Price
10. Steven Stubbe

OUT-OF-STATE CLIMBERS

We additionally had climbers from out-of-state who ranked highly but were not eligible to compete in the Master's Challenge; our congrats to Jeremy Dunivan (Illinois) and Jhonny Lopez (Georgia) as well.



MASTER CHALLENGE WINNER

Congratulations to **Mike Cross**, our winner of the Master Challenge who will compete in the ITCC in March in Tampa, FL.

With Florida's unique environment, extra attention must be paid to preserving our natural resources, especially our trees. By purchasing a TreesAreCool license plate you help underwrite programs that directly benefit trees of Florida which help keep our state the uniquely beautiful place we all call home.

Healthy trees benefit wildlife, increase property values and help cool and clean the air. The Florida Chapter of the International Society of Arboriculture, a non-profit organization, is committed to serving the needs of Florida's professional arborists and tree-care consumers. The TreesAreCool license plate revenues benefit our urban environment of Florida through tree research, the on-going education of tree-care practitioners, and by providing public education programs about tree care and preservation.



You do not need to wait for your current plate to expire. Do your part and order your TreesAreCool plate today!



How to Order Your TreesAreCool Specialty Plate

In person: You can select and pay for your TreesAreCool specialty license plate in person at your county tax collector office.

By mail: Complete and return this form with your vehicle registration renewal notice and a check for an additional \$58 (\$25 annual donation, \$5 annual state fee and a one-time new plate fee of \$28). If your renewal notice indicates that it is time to replace your license plate, do not include the \$28 new plate fee.

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The TreesAreCool program is administered by the Florida Chapter of the International Society of Arboriculture (ISA).



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Thank You!

The Florida Chapter ISA and the climbers of the 2015 Florida TCC would like to extend a huge thank you to the sponsors of the Tallahassee event. We couldn't do it without you! We offer our sincere gratitude for your thoughtful contributions.

Company

Donation Info

Arbor Works	Lunch
Asplundh	T-shirts
Branch Arbor Supply's	Prize items
The Brickman Group	Chainsaw plus staff and time
Florida Outdoor Equip (Echo Chainsaws)	Prize items
Brian Gould	Staff and time
Hanson Arbor Supply's	Prize items
Miller's Tree Service	Monetary
Murray's Tree Service	Monetary
Samnik & Ballard, Expert Tree Consultants, LLC	Breakfast
The Tree Lady Company	Organizational assistance plus staff, time and supplies for children's area
ValleyCrest Tree Care Orlando	Signage, supplies and water plus staff and time
TreeStuff.Com	Prize items

Many others worked diligently behind the scenes. Thank you to all who assisted with:

- event set-up
- with gear check
- with judging and timing
- with score keeping
- for loaning equipment and
- for keeping everyone well-hydrated and well-fed

It takes a lot of time, a lot of effort and a lot of passion to create this annual event. **THANK YOU!**

The Cost of Not Maintaining Trees Symposium

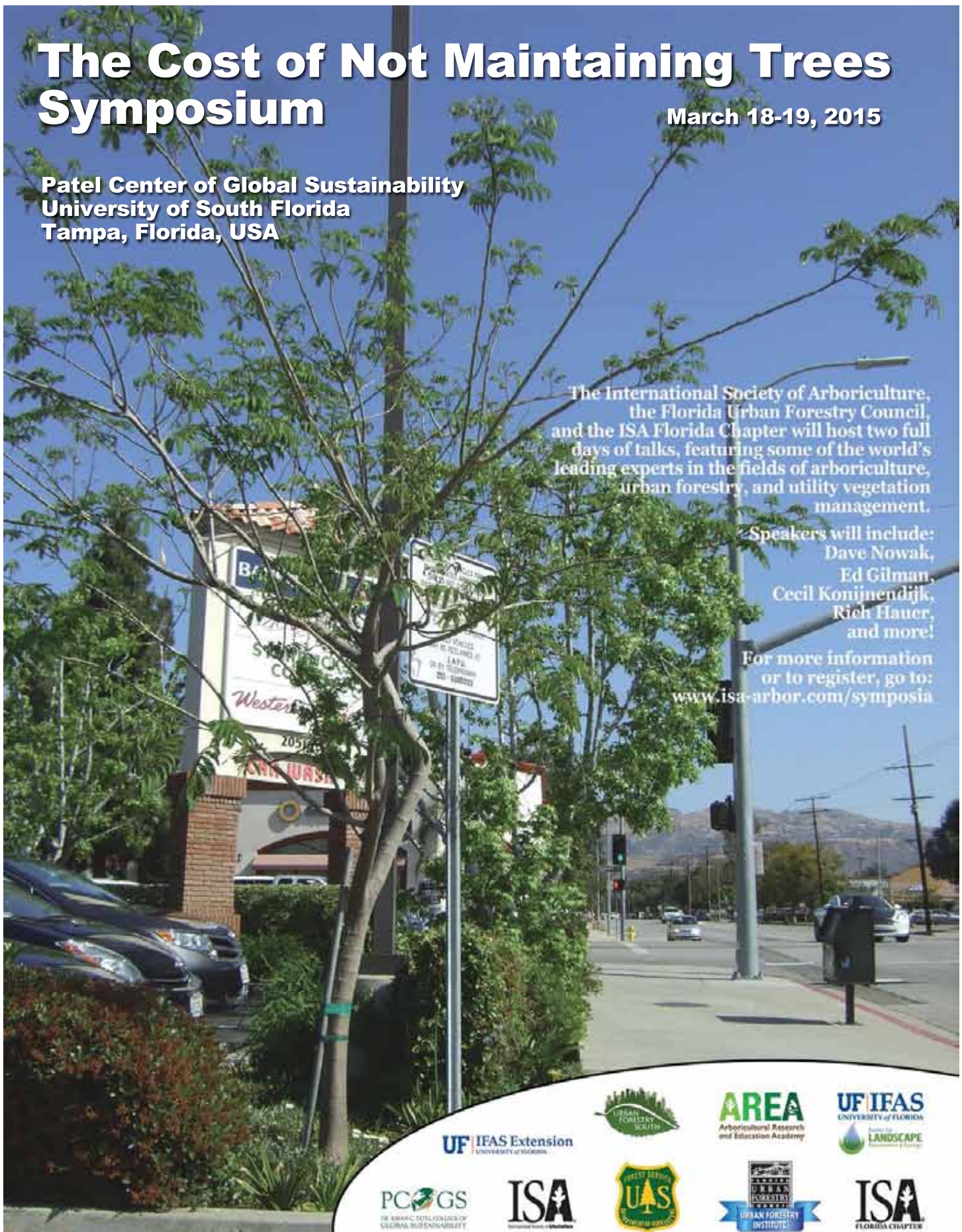
March 18-19, 2015

Patel Center of Global Sustainability
University of South Florida
Tampa, Florida, USA

The International Society of Arboriculture, the Florida Urban Forestry Council, and the ISA Florida Chapter will host two full days of talks, featuring some of the world's leading experts in the fields of arboriculture, urban forestry, and utility vegetation management.

Speakers will include:
Dave Nowak,
Ed Gilman,
Cecil Konijnendijk,
Rich Hauer,
and more!

For more information
or to register, go to:
www.isa-arbor.com/symposia



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FLORIDA CHAPTER

Consultant's Corner

by Joe Samnik, Samnik & Ballard, Expert Tree Consultants



The Courts and Tree Valuations

Florida, as in most common law states, defines the value of shade and ornamental trees and shrubs as the “Before/After Rule”. The value of the tree(s) is the difference between the value of the real estate in which the tree(s) is growing immediately before and immediately after the loss of the tree(s).

It is quite possible that this value could be negative regardless of the stature of the tree.

Consider a matter in which the real estate where the subject tree is growing will be taken in an eminent domain action - the actual taking of private property for public use after the just compensation factor is settled (as required in Article 5 of our Bill of Rights).

In these instances, the condemning authority must establish that the taking serves the most good for the most people. A road widening is a perfect example. Widening a road will benefit far more people than the family whose home is in the middle of the proposed right of way of the new road. Ergo, the home becomes condemned once the condemning authority can prove at an Order of Taking Trial that a good faith effort has been made by competent professionals to offer just compensation for the family’s home. If that can be accomplished, the home is taken from the owners and the road is widened.

The rub comes with the “just compensation” part of the equation. What is just to the condemning authority may not be just with the homeowner. And in the matter of trees the problem becomes compounded due in no small measure to the “Before/After Rule”. Regardless of how big, what species, or how beautiful, the value of that tree(s) is found in the “Before/After Rule”.

Surprised? Well, the situation gets worse, or at least it certainly has gotten worse. Say that a school is going

to be built on the land being taken. Those huge and beautiful oaks in the middle of the property are going to cost a few thousand dollars to remove so that the school may be built.

Now those huge and beautiful oaks have a *negative value* because the land is more valuable to the school without the trees than with the trees.

No Trunk Formula Method, no “this” or “that”, no fancy cures... nothing. The trees have a negative value – period. So says the “Before/After Rule” in most states.

So what’s an arborist to do? The answers are numerous and include your willingness to put aside preconceived notions you may have regarding tree appraisals and instead lend your attention to a place of learning, as in new approaches to value. The actual valuation method(s) is of far greater importance than the method of valuing the tree.

There is an allowance for a certain elasticity suitable to the circumstances and for the introduction of evidence relevant to actual loss. An owner of real estate has a right to enjoy it according to his own tastes and wishes.

Think: *Approach*, then you may proceed with your formulas and the like.

I do wish you well... ❖



Introducing New Tools to Combat Whitefly



The Q-Gun was designed by applicators to allow tree injection treatments to be performed quickly, safely, and accurately without the use of expensive and cumbersome plastic plugs. Combine the Q-Gun with Xytext 10% and you can eliminate whitefly in a hurry. Schedule a demo today!

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XYTECT 10% INFUSIBLE
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A.I.: Imidacloprid 10%
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Unit Size: 1 liter
Unit Price: **\$453.96**

1 liter treats 500-1,000" DBH!

Durable tip. No plugs!

Dose 1-20ml at a time

Works with hardwoods, conifers, and palms

Easy, ergonomic handle

Prime system with no exposure

Connects directly to the Q-Gun System!



LOCAL SUPPORT!
Kevin Graham
Territory Arborist - Florida
239-671-2705
kgraham@treecare-science.com

Contact Kevin for help with:

- Diagnosis
- Prescription
- Application training
- Pricing



877.272.6747

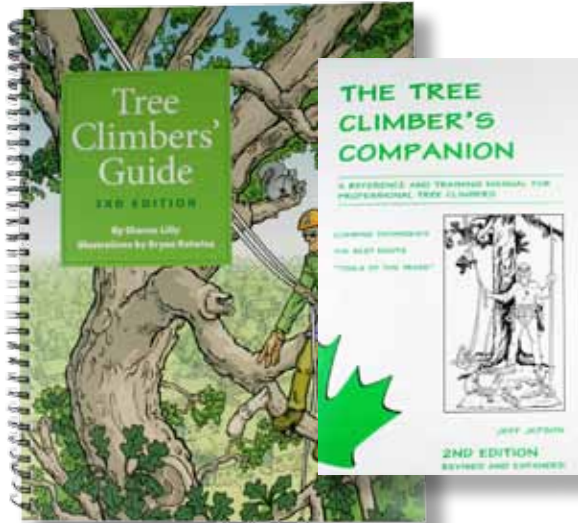
FOR MORE INFO AND UPCOMING EDUCATIONAL EVENTS:

www.TreeCareScience.com

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CERTIFIED TREE WORKER PREP



APRIL 2015

See www.floridalSA.org for details

LEARN ABOUT THE UPDATED FLORIDA GRADES & STANDARDS



MAY 2015

To be offered in 4 locations
Watch www.floridalSA.org for details



RPG Trees Are Superior Performers In Your Landscapes

- Hardening-off Trees
- Improving Quality
- Research & Education

*Now More Than Ever...
Look for the RPG Tag for Quality!*

2013-2014 Grower Members

The Arbor Group
Orlando/407-235-8492

Nature Coast Tree Corp
Bell/386-935-9349

BE-MAC Farms
Odessa/813-920-2247

SMR Farms
Bradenton/941-708-3322

Fish Branch Tree Farm
Zolfo Springs/863-735-2242

Snapper Creek Nursery
Ft Pierce/772-216-9993

Marshall Tree Farm
Morrison/800-786-1422

Spectrum Tree Farms
Live Oak/800-753-1379

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Associate Members

Cherokee Manufacturing
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Grass Roots Nurseries
Griffin Trees, Inc
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RPG Growers are committed to enhancing the image and quality of field-grown trees through the hardening-off process. Research continues to show that hardened-off field-grown trees are more wind resistant, use water more efficiently at planting, establish faster after planting, and when planted with container trees in a situation of limited water or irrigation will have dramatically higher survival rates.

To Subscribe to the RPG Times Newsletter or to request copies of the Tree Grading, Planting or Pruning Cue Cards contact an RPG member or visit www.rootsplusgrowers.org

Million Tree Los Angeles, Carbon Sink or Source?

Because there has never been a full accounting of CO2 emissions, it is unclear if urban tree planting initiatives (TPI) are likely to be effective means for reaching local reduction targets. Drs. Greg McPherson and Alissa Kendall sought to determine if Million Trees Los Angeles (MTLA), a large scale TPI, was a carbon sink or source. Using surveys, interviews, field sampling and computer simulation of tree growth and survival over a 40-year time period, they developed the first process-based life cycle inventory of CO2 for a large TPI. Their findings, to be published in the Journal of Arboriculture & Urban Forestry and the International Journal of Life Cycle Assessment this summer, indicate that the 91,786 trees planted from 2006 to 2010, of which only 30,813 (33.6%) were estimated to survive 40 years later, will be a carbon sink if avoided fossil fuel CO2 emissions from energy savings and biopower are realized. It was estimated that after 40 years -98,053 metric

tonnes of carbon emissions would be reduced from the atmosphere, amounting to -1,068.3 kg per tree planted. Further emission reductions can be reached by planting drought tolerant trees and utilizing wood residue to generate electricity.

Greg McPherson, PhD
 Research Forester
 USDA Forest Service
 PSW Research Station
 1731 Research Park Dr.
 Davis, CA 95618



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 OF THE UTILITIES WE SERVE...
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INTRODUCING **NUTRIROOT™** LIQUID SOIL APPLIED FERTILIZER

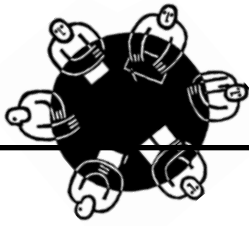
NutriRoot is a unique blend of essential minerals, seaweed extract, humates, surfactants and humectants designed to increase root development and to reduce water stress in trees, shrubs and lawns.

- Promotes root growth
- Reduces watering
- Improves transplant success
- Protects transplants from drought stress & shock
- Feeds roots all season long



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Visit www.arborjet.com or call 781.935.9070.**





Florida Chapter Board Updates

BOARD SHORTS:

Meet Your New Florida Chapter Board Members, Committee Chairs and Representatives



The 2015 election for Florida Chapter Board of Directors resulted in new and familiar faces on the board. Join us in welcoming Mr. Bill Armstrong of Tallahassee, FL (Commercial Arborist

Rep) and Mr. Rick Joyce of Ft. Myers, FL (Grower Rep) for three year terms on the board. In addition to the two representatives voted in by the Chapter members, President Celeste White has appointed Mr. Rob Calley of Mary Esther, FL and Mr. Andrew Koeser of Apollo Beach, FL as her at-large appointees for the year. Also extend a welcome to Ms. Julie Iooss of Orlando, FL, appointed by FUFC as their representative on the Florida ISA board. We thank everyone for their commitment and input to the Florida Chapter... you all help make the Chapter the success that it is!

There are two new committee chairs. Thanks to Diana Gilman who has offered to chair the 2016 Trees Florida Conference and Trade Show. And thank you to Richard Cervi for stepping up as the chair of the John P White Scholarship Committee. If you are interested in participating as a committee member or perhaps even chair, indicate your interest by contacting the Florida Chapter office at floridaisa@comcast.net.

Your new Council of Representatives (COR) member is Rick Joyce who replaces Andrew Koeser for the remainder of the term. The primary functions of the COR is to provide a forum for collaboration and cooperation between ISA Chapters or Components and the parent ISA organization. If you have a question or concern regarding International ISA, [submit them to Rick via email!](#)

2015 Board Meeting Schedule



There was one board meeting already held in January; the remaining board meetings are scheduled in Orlando as follows:

Friday, April 17

Friday, June 19

Friday, September 25

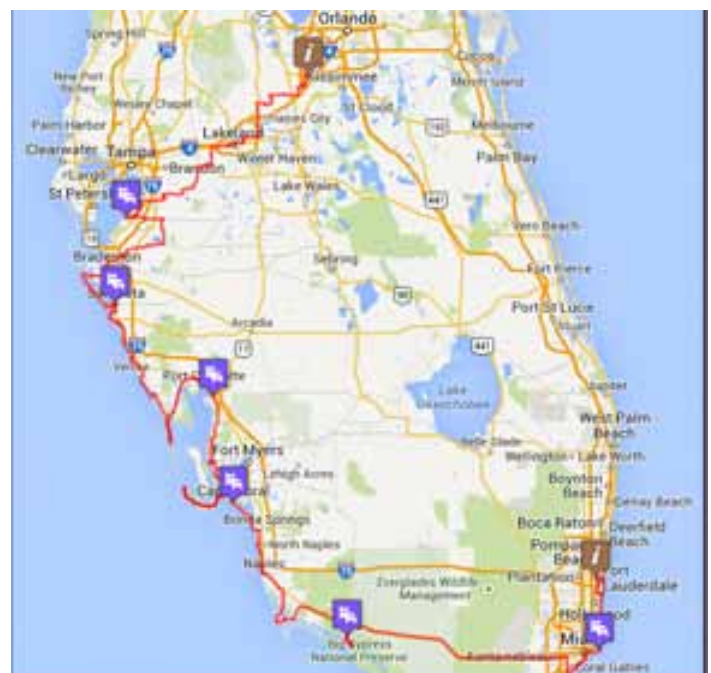
Friday, November 13

Sponsors Needed for October Tour des Trees



The Florida Chapter board voted to commit to a monetary sponsorship to the TREE Fund Stihl Tour des Trees that is scheduled in Florida October 25 – 31, 2015 but also asks for local in-kind sponsorship along the tour route. Refer to the map below that shows each daily stop and consider helping out with a bucket truck, assistance with distribution of snacks and beverages, or simply bring your smiling face and cheering voices for the riders as they roll in each day. [Email us if you can help out!](#)

Refer to the map below that shows each daily stop and consider helping out with a bucket truck, assistance with distribution of snacks and beverages, or simply bring your smiling face and cheering voices for the riders as they roll in each day. [Email us if you can help out!](#)



*shorter-mileage option available

2015 Certification Exam Schedule

The FLORIDA CHAPTER of ISA is pleased to announce our
2015 schedule of Certification exams. See the chart below for the site nearest you.

Date	Exam/ Class	Location	Time	Proctor or Instructors	Last Date to Register	Cost Member/ Nonmem
February 28, 2015	Certified Arborist Exam	Escambia IFAS 3740 Stefani R Cantonment FL 850-606-5201	8:00 a.m. to 12:00	Perry Odom & Micah Rivars	Minimum 12 business days prior	\$150/ \$250
April 11, 2015	Certified Arborist Exam	Broward IFAS 3245 College A Davie FL 33314 954-357-5279	8:30 a.m. to 12:30	Dr. Mike Orfanedes & George Fitzpatrick	Minimum 12 business days prior	\$150/ \$250
May 9, 2015	Certified Arborist Exam	Duval Co. IFAS 1010 N McDuff Jacksonville, FL 904 255 7450	7:30 am to 11:30 am	Larry Figart & Penny Powell	Minimum 12 business days prior	\$150/ \$250

This schedule is subject to change as additional tests and review sessions may be added. Visit www.floridaisa.org for updates.

For an application form to register for an Exam call the ISA Office in Champaign, IL at 888-472-8733.

To purchase an ISA Certification Study Guide, call the Florida Chapter ISA at 941-342-0153 or fax an order form to 941-342-0463.

The ISA Illinois must receive your application & exam fees A MINIMUM OF TWELVE BUSINESS DAYS prior to the exam date. NO EXCEPTIONS! (ISA Illinois is closed New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and the day after, and Christmas Day). First-time applicants can apply online at www.isa-arbor.com.

PREPAYMENT IS REQUIRED VISA/MC/AMEX accepted. US FUNDS ONLY

Florida Chapter ISA - 2014 Education Schedule

*The schedule below is tentative and subject to changes.

Date	Seminar/Class	Location (s)	Open for Registration
March 5, 2015	Trees & the Law	Tallahassee	<u>Register Online</u>
May 2015	Grades and Standards	Multiple locations	
May 26, 27, 28, 2015	TRAQ	Tallahassee	<u>Register Online</u>

Welcome!

New Florida Chapter Members

Here are the individuals that joined the Florida Chapter during the fourth quarter of 2014. If you see a name from your area of the state, look up their phone number online* and give them a call. Introduce yourself and find out what aspect of arboriculture the new member is involved in. Let's make the Florida Chapter friendlier. We're all working in different ways for the same goals. Get to know other Chapter members. You might make some helpful connections for the future.

Alexis Alvey, Sheridan, CO
 Janet Eileen Beall, Pinellas Park, FL
 Edgar Tyree Brown Jr., Land O Lakes, FL
 Chris Carey, Lake Buena Vista, FL
 Vincent P. Condon, Huntsville, NC
 Frances Bonny Lynn Connor, Saint Petersburg, FL
 Steve Earl Connor, Saint Petersburg, FL
 Russ Cowper, Clearwater, FL
 Jose Cruz-Morales, Orlando, FL
 Dale Montgomery Davis, Coral Springs, FL
 Michael C DeHaven, Jr., Daytona Beach, FL
 Mitch Feller, Largo, FL
 Jodi R. Fey, Sarasota, FL
 Robert C. Gause, Bradenton, FL
 Patrick Gonzalez, Miami, FL
 Cory Guerrant, Jacksonville, FL
 Thomas Hammond, Tampa, FL
 Li Hoi Chi, Taipei, TAIWAN
 Tim Hulbert, Saint Petersburg, FL
 Marnie Hutcheson, Ocala, FL
 Chris Jenkins, Palm Bay, FL
 Steven David Kayhart, Saint Petersburg, FL
 Lawrence John Labus, Clearwater, FL
 George Lara, Tampa, FL
 Robert L Lubbers, Charlotte, NC
 Sean Aaron Maze, Saint Petersburg, FL
 Todd G. McClintock, Miami, FL
 Caitlyn McClure, Safety Harbor, FL
 Santiago Mederos, Homestead, FL
 Sara Miller, Winter Springs, FL
 Robert Ian Miller, Brandon, FL

Alexander A. Millette, Dover, NH
 Brian Mims, Tampa, FL
 Brandon Charles Miner, Dade City, FL
 Carolyn Nelson, Longwood, FL
 Walter J. Owsiany, Naples, FL
 Duane Stuart Parmelee, Jr., Saint Petersburg, FL
 Harold D Patterson, Tallahassee, FL
 Chad Andrew Paukert, Dunedin, FL
 Andrew Pearce, Dural, NSW
 Cleto Juan Gama Perea, Brooksville, FL
 James Samuel Potts, Boynton Beach, FL
 Nicholas G. Quilling, Thonotosassa, FL
 Robert Earl Riefer, Lehigh Acres, FL
 Christopher Anthony Rodriguez-Ocasio, Bradenton, FL
 Christopher Sherwood, West Palm Beach, FL
 Joshua Shields, Tallahassee, FL
 Daniel Taban, Clearwater, FL
 Francois Tasse, Weirsdale, FL
 Joseph James Taylor, Clearwater, FL
 Jeffery Donald Trent, Brooksville, FL
 Jessie Wert, Saint Petersburg, FL
 Teresa M Wheeler, Ocala, FL
 G. Kevin White, Jacksonville, FL
 Arthur Wilfork, Miami, FL
 Joshua Willeby, Hosford, FL
 Wayne L. Williams, Pensacola, FL
 Virgil Clyde Woodard, Lutz, FL
 Ronald Thomas Wright, Naples, FL
 James M. Wright, Tampa, FL
 Jovan Zeller, Brooksville, FL

*Go to <http://www.isa-arbor.com>, then go to "Members Only" and log in. Then go to ISA membership directory. If you do not know your log in for members only, contact ISA headquarters at (888) 472-8733. Once you log in, you can update your address, check your CEU's, edit or verify Certified Arborist information and search the membership list.

Letters to the Editor

We welcome your thoughts about Florida Arborist articles, about your Florida Chapter, or about tree issues in general.

Email your letters to:
floridaisa@comcast.net

or mail to:
 Florida Chapter - ISA
 7853 S. Leewynn Court
 Sarasota, FL 34240



Please remember:
 Letters should be no longer than 300 words.
 We reserve the right to condense letters, or to edit as necessary.

An invitation to all members
 to attend a

Board of Directors Meeting!

Call 941-342-0153

for specific times and locations

Up-coming 2015 Board Meeting - Dates & Locations

April 17, 2015 - Orlando

June 19, 2015 - Orlando

Arborist Certification Committee Report

By Norm Easey, Florida Certification Liaison

There are currently two ISA certification exam scheduled in Florida within the next six months.. [Click here for the specific dates](#). The ISA Certified Arborist exam is also now available at Pearson Testing Centers throughout Florida. See the ISA International web site www.isa-arbor.com for more information about the various ISA arborist credentials and how to earn them.

Florida Chapter currently has 1850 Certified Arborists.

The Florida Chapter would like to congratulate the following 43 individuals for earning their Arborist Certification Municipal Arborist Certification during the fourth quarter of 2014:

Certified Arborist

Russell Stuart Adams, Gainesville, FL
 Janet Eileen Beall, Pinellas Park, FL
 Trent Bednar, West Palm Beach, FL
 Dusty Bremer, Hernando, FL
 Edgar Tyree Brown, Jr., Land O Lakes, FL
 Anthony Bruce Burr, Hobe Saound, FL
 Regina Caton, Seminole, FL
 Steve Earl Connor, Saint Petersburg, FL
 Marshall Cunningham, Loxahatchee, FL
 Gregory Dortch, Clermont, FL
 Colleen Duffy Wray, Miami, FL
 Fredy J. Escobar, Hialeah, FL
 Stu Gabriel, Lake Worth, FL
 Thomas Hammond, Tampa, FL
 Jennifer Harris, Miami, FL
 Bradley J. Hayes, Fort Lauderdale, FL
 James Andrew Himmel, Royal Palm Beach, FL
 Andrew Steven Jackson, Palmetto, FL
 Jason L. Johns, Saint Petersburg, FL
 Joshua M. Mahoney, Hollywood, FL
 Sean Aaron Maze, Saint Petersburg, FL
 Todd G. McClintock, Miami, FL
 Drew Cameron McLean, Wimauma, FL
 Nicolas Mendoza, Bonitia Springs, FL
 Gabrielle C. Milch, Sanford, FL
 Robert Ian Miller, Brandon, FL
 Brian Mims, Tampa, FL

Duane Stuart Parmelee, Jr., Saint Petersburg, FL
 Pedro B. Perez, Miami, FL
 Jesse Lee Pickens, Miami, FL
 James Samuel Potts, Boynton Beach, FL
 Nicholas G. Quilling, Thonotosassa, FL
 William H. Rollins, Dade City, FL
 Andrew Louis Seibel, Miami, FL
 Casey B. Silvers, Treasure Island, FL

Municipal Specialist

David Wayne DeLoach, South Miami, FL
 Michael DePappa, Clearwater, FL



Are you thinking about becoming certified?

[Visit the International ISA website](#)

to access the certification application handbook with further information.

International Society of Arboriculture Florida Chapter

Our Mission: "To Promote and Improve the
Scientifically Based Practice of Professional Arboriculture"



Arborist Code of Ethics

Strive for continuous self-development by increasing their qualifications and technical proficiency by staying abreast of technological and scientific developments affecting the profession.

Not misuse or omit material facts in promoting technical information, products or services if the effect would be to mislead or misrepresent.

Hold paramount the safety and health of all people, and endeavor to protect property and the environment in the performances of professional responsibilities.

Accurately and fairly represent their capabilities, qualifications and experience and those of their employees and/or agents.

Subscribe to fair and honest business practices in dealing with clients, suppliers, employees and other professionals.

Support the improvement of professional services and products through encouraging research and development.

Observe the standards and promote adherence to the ethics embodied in this code.



Florida Arborist
Florida Chapter ISA
7853 South Leewynn Court
Sarasota, FL 34240