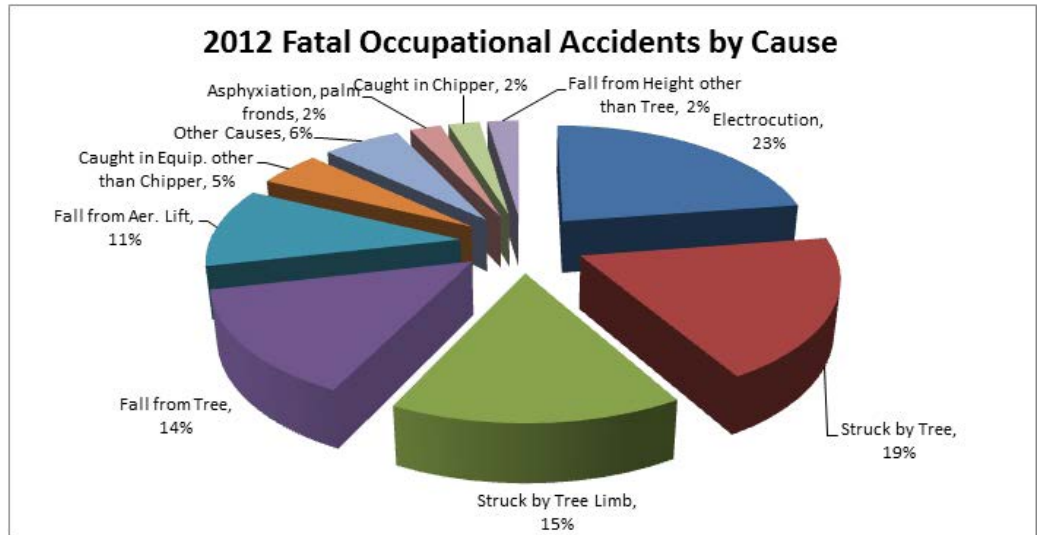


Spring 2013
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OCCUPATIONAL TREE CARE ACCIDENTS IN 2012

The Tree Care Industry Association (TCIA) reviewed 128 occupational tree care accidents reported by the media in 2012. Of these accidents, 84 were fatal. The average age of the deceased was 43 and the average age of the serious accident victim was 38.



Super Storm Sandy was a significant contributing cause in fatal accidents in 2012. Six out of 10 fatalities occurring between November 1 and December 31 were storm work-related; and they occurred in Connecticut, Massachusetts, Maryland, New Jersey and New York.

Looking at the largest fatal accident categories more closely:

Of the 19 electrocution accidents:

- Six victims were electrocuted through conductive tools such as stick saws, pole saws and, in one instance, a rake.
- Five victims made direct contact with conductors.
- Two victims on the ground touched uninsulated vehicles.
- In one case, a crane load line made contact with a primary conductor, energizing the ground around the crane. A worker died when he touched a detached chipper 20 feet away from the crane.
- It could not be determined how five of the victims made contact.
- Average age of the electrocution victims was 44.

Occupational Accidents continued on page 4

A Message From the President

I would like to take this opportunity to tell you how humbled and honored I am to serve as the Florida Chapter ISA President for 2013. It is amazing what has been accomplished over the last 16 years of the chapter's history and I want to say thanks to all the previous presidents, board members, staff and chapter members for all the Florida Chapter's success and accomplishments.

As we start the 2013 year, I am surrounded by a remarkable Chapter Board of Directors who I have the upmost respect for and who are knowledgeable and dedicated professionals from all across Florida. All are directly involved in arboriculture ranging from education, research, growing, installing, managing, tree climbing, consulting and enforcing regulations. I look forward to working with the board and chapter members for the continued success of Florida Chapter ISA.

There is a lot of work and challenges ahead of us in 2013. I plan to focus on four main areas: continue the work on the strategic goals from last year with the implementation of Best Practices in Administrative and Governance Procedures; continue to increase membership; networking; and involvement of its chapter members and the "Trees Are Cool" license plate which every member should be proud to have. I think it's important at the beginning of every year to reflect on our Florida Chapter mission statement which reads, **"Promote the scientifically based practice of arboriculture through research, education and public awareness."** As members, we need to get involved and stay involved, we need to buy our license plate, we need to attend educational seminars, we need to educate the public on proper arboriculture and Best Management Practices (BMP's) and we need to inform the public why they should hire a certified arborist.

Please feel free to contact me or any other board member with questions, comments and ideas. Trees are the solutions and safety brings results.

As a reminder, please mark your calendar for the 2013 Trees Florida Conference at the Westin Beach Resort and Spa, Fort Lauderdale, Florida in June.

Thank you,

Patrick Miller

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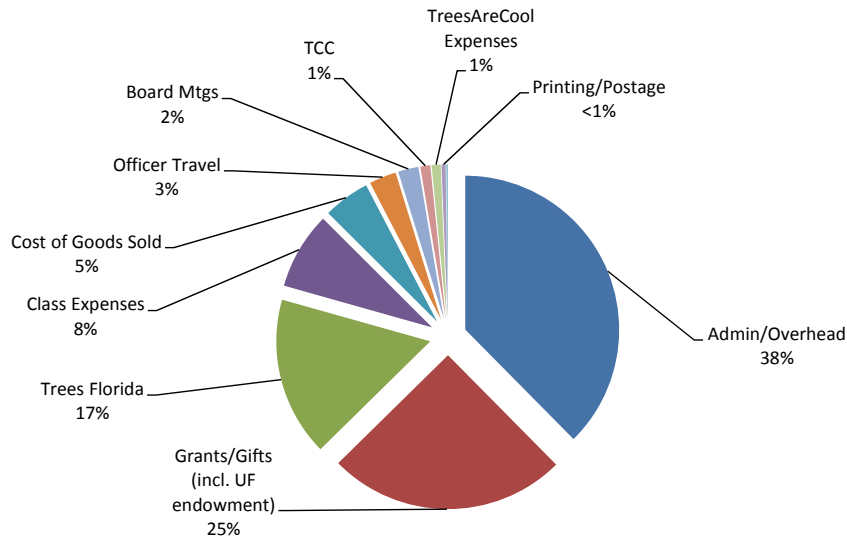
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2012 Florida Chapter Expenses



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Occupational Accidents continued from page 1

These sobering numbers are a stark reminder of the dangers of tree care and highlights the need for tree care companies, along with homeowners/property managers who hire them to uphold the highest standards for worker safety.

Of the 16 struck-by-tree fatalities:

- Six were the fallers, four were other crew members, and it could not be determined what the remaining six were doing at the time of the accident.
- In all but one instance, it was the tree being removed that killed the worker.
- Average age of the victims was 45.

The 13 struck-by-tree-limb fatalities lacked enough detail for further analysis. The same can be said of the 12 fall-from-tree fatalities except that in two instances the tree failed with the climber in it. In the nine fall-from-aerial-lift accidents, four can be attributed to

equipment failure, and one resulted from a tip-over. These sobering numbers are a stark reminder of the dangers of tree care and highlights the need for tree care companies, along with homeowners/property managers who hire them to uphold the highest standards for worker safety.

“Unfortunately for the industry overall, serious accidents seem to be increasing,” says Peter Gerstenberger, arborist for TCIA. “We need to transform the industry and create a safety culture that will keep all tree workers safe in an inherently hazardous occupation.” ❖



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News From International

Student Fellowship Opportunity at ISA Headquarters

The International Society of Arboriculture is offering an undergraduate fellowship in arboriculture and is seeking applicants. The fellowship is open to junior or senior undergraduate students currently enrolled in a four-year program in arboriculture, urban forestry, or a related field. The fellowship will provide students with invaluable experience in diverse aspects of arboricultural education, as well as the opportunity to work with some of the leaders in arboricultural research and education from around the world. Students will work on educational projects and programs including such things as the development of books, articles, videos, interactive training media, surveys, presentations, and other materials.

The fellowship is offered on a competitive basis, and qualifying candidates will be ranked on their scholastic achievements, previous work experience, and recommendations from faculty, employers, and ISA chapter leaders.

Applications must be received at ISA Headquarters **no later than March 15, 2013**, to be eligible for consideration. [CLICK HERE](#) for more information and for the application form.

Register Now for the 2013 ISA Annual International Conference in Toronto

The early bird catches the savings! Registration is now open for the 2013 ISA Annual International Conference being held in Toronto - register by May 31st for the best savings.

[CLICK HERE](#) for online registration.

[CLICK HERE](#) for printable registration form.

Conference Highlights include:

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WHAT E15 GASOLINE MEANS TO YOU AND YOUR EQUIPMENT

By: [Kyle Brown](#)



At the Zarco 66 station in Lawrence, Kan., a revolution is being fueled. Alongside other blends of gasoline is E15, a mix of etha-

nol and gasoline that was recently cleared by the EPA for commercial sale.

A mix of 15 percent ethanol and 85 percent gasoline, E15 jumps above E10 in the race to reach alternative fuel goals set by the Renewable Fuel Standard. Proponents of the new fuel call it an accomplishment for American energy independence – **green industry pros see it as a potential disaster.**

Even though the new fuel burns cleaner than E10 or straight gasoline, smoothing engine knocking, reports show **it can damage off-road vehicles and small engines.** It's approved for light-use vehicles from 2001 to the present, but the fuel could find its way into tanks and engines it's not made to power and do major damage.

Ready or not. E15 got its start from the Renewable Fuel Standard, created under the Energy Policy Act in 2005, as a mandate that ethanol, advanced bio-fuels and cellulosic fuels be blended into gasoline at certain levels by goal years.

“The underlying assumption of the Renewable Fuel Standard is that gasoline usage will continue to increase forever, and the E85 flex fuel fleet would grow and expand and just didn't happen,” says Kris Kiser, president of the Outdoor Power Equipment Institute. But Kiser biggest concern isn't whether the goal is met – it's that the fuel was rushed to the market without enough testing on engines, light-duty vehicles and otherwise, he says “The two officially sanctioned tests were done by the Department of Energy and the National Renewable

Energy Laboratory,” he says. “They tested 28 engines and four engine classes of (OPEI's) 900 classes that are regulated. Everything failed. The Department of Energy tests on small engines – each of the 28 engines had either performance irregularity, failure, unintentional clutch engagement, it had some kind of problem.”

Scott Zaremba, president of Zarco 66, Inc., the gas station where E15 has made its debut, doesn't see the testing the same way, he says. “The report I've seen was a large engine manufacturer testing auto engines,” he says. “They had failures with 15 percent, but what they forget to tell you is they also had failures on straight gasoline. When you look at the reports, they say ‘could’ or ‘may.’ There's nothing that says ‘will.’”

Based on those reports, EPA determined the fuel safe for general use in some vehicles and moved forward on granting partial waivers for vehicles from 2001 and newer in 2011. Professionals from the green industry, the oil industry and others questioned those waivers, and made official appeals of them to the U.S. Court of Appeals. “Our concern was that the language of the Clean Air Act says that when the EPA issues these waiv-

ers, the waiver needs to apply to the entire market,” says Patrick Kelly, senior policy advisor for the American Petroleum Insti-

“It can damage off-road vehicles and small engines.”

tute. “The Clean Air Act, as amended in 1990, is pretty clear that the EPA has the authority to issue a waiver of the CAA that says that ‘This fuel blend is essentially deemed similar enough to the fuel that the vehicle was tested on for emissions that it's acceptable for use in the marketplace.’ But E15 potentially puts some cars over the limit in what they're able to tolerate.”

The U.S. Court of Appeals didn't directly disagree with that Aug. 17, but it did rule that the associations didn't have the proper standing to raise the appeal in the first place, on question by Growth Energy, a representative of ethanol producers. The fuel would see the market.

[E15 continued on page 9](#)

Consultant's Corner

by Joe Samnik, Consulting Arborist



How Much is That Doggie in the Window?

Soon the much anticipated Guide for Plant Appraisal, 10th Edition, will be on a newsstand near you. This much anticipated memorial to self-importance will revolutionize our approaches to placing values on trees and landscapes. Most of these approaches will be beyond our areas of expertise, providing the final edition reads like the draft reviewed by many of us. As it relates to spreading the wealth and improving the economy, most approaches to value will necessitate an arborist hiring, or at least working with, a qualified real estate appraiser. Whether this is good or bad remains to be seen. Certainly one thing is certain: placing a value on any vegetation will be a challenge for most tree and landscape appraisers.

Having said that, comes the complicated and advanced approach to value when the same commodity is appraised as is, in-place versus its market value. As an example,

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

let's take a run-of-the-mill 4 inch diameter oak tree. Regardless of what approach to value you select from the new 10th Edition, your value stands to be tested by an ultimate authority (judge or jury) based upon its marketplace value. If a 4 inch live oak tree is valued at \$145 in a nursery, the question becomes what is its appraised value; ultimately, what is it worth.

Well, that depends. If you're talking about its value in a wholesale grower's field then \$145.00 is a pretty good answer. But if you are going to appraise that figure beyond the grower's field, like its value in front of a home or shopping mall, the answer isn't so correct anymore. As my sainted father used to tell me, asking and getting are two different things. If you're talking about a new car then the value is less than the as-is, in place value on the car lot. Nobody pays sticker price for a new car, or used one for that matter, but what about the tree? Is it worth more planted in front of a home or shopping mall? Or is it worth less?

If you are conducting an appraisal, then you would go into the marketplace to determine a value for products in the field. Some growers would state that they would take 50 cents on a dollar. Others would state 10 cents on a dollar if you took their entire product. And there would be those growers that would offer to give you the product for free – just come and get them soon. I know of one quality grower that advertised his trees for free if he could get paid for planting them.

Comparable pricing is the ultimate test of value, and is defined by the tenants of a willing buyer/willing seller. The answer is always found in the market place. No matter what approach to value you choose to use, the market place has the answer regarding values.

So, the question comes full circle. How Much is That Doggie in The Window? The one with the wagged tail, it depends.

- First, are all relevant facts known? – “Does the mutt have fleas?”
- Second, is there time to find a buyer? – “Honey, I want the dog now!”
- Third, there is no compulsion of necessity. – The mutt is vicious and unless sold will be put down.

[Doggie continued on page 12](#)

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E15 continued from page 6

Making the best of it. With the waivers, the EPA cleared the fuel to reach consumers. It can be sold on its own at stations, or using blender pumps. “So for the consumer now, you’ve changed the fueling paradigm, which has existed in this country since the internal combustion engine was introduced,” Kiser says.



However, the waivers didn’t come without some guidance for those filling up – a Misfueling Mitigation Plan was reviewed by EPA in March, including a label to be posted at

pumps listing restrictions for the fuel. “That’s right on the dispenser,” Zaremba says. “It says that E15 is only for 2001 and newer cars, trucks and SUVs. That’s it. We make sure that it’s prevalent so customers can see and understand that.”

The label bars are used in other vehicles, boats and gasoline-powered equipment, but buyers at the pump might not follow guidelines or be equipped to make that choice, Kelly says.

Though Zaremba tries to provide that education with the sale, he wants the manufacturers to help make the issue disappear in the future, he says. “E15 is not approved to run in the small engines. We need to make sure today they are not using higher than an E10 blend. We don’t want them to put something in one of their engines that is not approved,” he says.

When working with small engine equipment, here’s what Kiser says users need to know about E15:

- 1. Read and follow the owner’s manual.** “What we’re hoping is that dealers and distributors will draw folks’ attention to it, that their machine is an E10-designed machine and its warranty would only cover up to E10,” he says. “Any

[E15 continued on page 22](#)



**Trees4Florida Public Service Announcements
Available at www.treesarecool.com**

With the devastation to trees in Florida by hurricanes, storms and fires, millions of dollars in valuable tree resources have been lost, particularly within the past several years. Jointly, the Florida Urban Forestry Council (FUFC) and the Florida Chapter of the International Society of Arboriculture (FC-ISA) developed the Trees-4Florida program which focuses on making the public more aware of the need to be vigilant in safeguarding our trees and preserving Florida’s greatest green resource.

The Trees 4 Florida program has produced a variety of Public Service Announcements (PSAs) available for anyone to free of charge. Included in the campaign are English and Spanish print-quality and broadcast-quality PSA ads and spots. Include them on your website, flyers or any promotional material.

Access these FREE PSAs by visiting www.treesarecool.com; hover on ‘Trees4Florida’ in the menu box to the left to make your choice of ad style.

Detecting Fungal Decay in Palm Stems by Resistance Drilling

Frank Rinn, Heidelberg, Germany

Like trees, palms can deteriorate internally at the stem base by fungal decay, coming from the roots or bud. But, visual detection is much more limited because palms do not show secondary growth and hence there is no outer response wood indicating compensation of strength loss due to internal decay. Tapping with a mallet thus is the



Picture by Steve Nimz showing his colleague Waylen drilling a coconut palm on Hawaii

first option to enhance the defect detection. But, because of the bark structure and the internal mechanical design of palms, only extremely hollow stages

(more than 90%) may be detected through resonant sound reaction of the stem by tapping.

Because of the limitation of visual inspection and tapping with a hammer, technical devices can be of great help in order to detect internal decay in palms in earlier stages. In principle, sonic tomography is able to detect internal decay in palms too, but due to the mechanical architecture of palm stems, only big cavities or decay pockets can be detected reliably – because the high-density outermost areas of palm stems lead the sonic waves around the naturally soft center. And, the difference in stress-wave speed between the naturally soft center of palms and decayed wood is quite small. Because sonic-tomographs usually detect and measure the apparent speed of the first incoming wave only, they generally do not detect any signals from the very soft center of palms (and some conifers, too). Therefore, conventional sonic tomography is not the most appropriate method for decay detection in palms and usually fails to detect incipient central decay.

Although resistance drilling is not completely non-destructive, it can help inspecting palms. Resistance drilling was originally developed for measuring latewood

density of oak tree rings in order to reconstruct past climate (Rinn 1988). As a welcomed side-effect, the ability to detect defects in trees and timber was observed (Rinn 1989). The first series of devices was sold to scientists and tree- and timber experts for testing its suitability in 1987. Results clearly showed that the key condition for the capability of the method for inspecting trees, timber structures and poles is to reliably measure and reveal wood density (Görlacher & Hättich 1990). Because of that, early versions of the resistance drills of 1984 with a spring-driven recording mechanism were abandoned because they did not allow to reliably measure wood density: the profiles did either over-tune in resonance or were flat-damped and did not show both the real levels and the real variation of the wood density. In the naturally soft center of conifers or palms, such profiles often dropped down to zero although the wood was intact. In the soft sapwood of broad leaf trees they often showed an expressionless plateau that is often misinterpreted as sapwood-decay. In narrow tree rings, the profiles often varied from zero to maximum scale, over- and under-estimating the real values making it impossible to interpret the result. Thus, both sensitivity and resolution did not fulfill basic requirements a reliable measurement tool has to meet. Consequently, electronic regulation and recording was developed and shown to be critical and mandatory for obtaining profiles that can reliably be interpreted in terms of wood condition (Rinn 1990). Because of that, only resistance drills with electronic regulation and recording were officially allowed to be labeled with the trademark “RESISTOGRAPH”, providing a linearly scaled profile, revealing wood density and its changes correctly (for details see: Basics of typical resistance-drilling profiles. Western Arborist, Winter 2012).



[Fungal Decay continued on page 16](#)



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or email floridaisa@comcast.net

Doggie continued from page 7

- Fourth, there are no peculiar or special circumstances involved in the sale. - Buy one dog and get the second dog free.
- Finally, it must be a fair sale from fair negotiations. – “If you don’t give me the mutt for 10 bucks I’ll shoot you!”

A willing buyer is a person willing to buy but not obligated to do so from a person willing to sell with no compulsion of necessity.

Answer all these questions and you will have a value on the dog in the window. Or, you may attend Lori Ballard’s presentation on tree appraisals coming this March 5 and 7, in Sarasota and Fort Lauderdale respectively. Ms. Ballard will be reviewing the components for successfully valuing a tree (or landscape). Her presentation will be based upon knowledge of Florida case law and countless meetings with attorneys in litigation regarding the value of trees. I do hope to see you there. ❖

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SATURDAY MARCH 9, 2013

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Contact Adam Jackson for further information. AJackson@valleycrest.com

Volunteers are eligible to attend the educational program scheduled on Friday March 8, 2013 FREE OF CHARGE; make sure to mark your form if you would like to attend!

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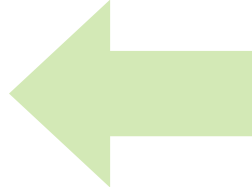
[Click here to access the volunteer registration form](#)

[Click here to access the volunteer waiver form](#)

[Click here to access the sponsor form](#)

Return completed forms to: Florida Chapter ISA - 7853 S. Leewynn Court - Sarasota, FL 34240

**INTERACTIVE FORMS
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CALLING ALL CLIMBERS!

FLORIDA CHAPTER



The 2013 Florida Chapter ISA TCC Committee proudly announces the 2013 Florida Chapter Tree Climbing Championship. This year's event will be held in Maitland, FL at Lake Lily Park (see address below) on Saturday **March 9, 2013**; site preparation is scheduled for Thursday **March 7, 2013**. Once again there will be a 1/2 day **Outdoor Tree School** offered on Friday morning **March 8, 2013** at Maitland Community Park (see address below). Registered climbers and volunteers can attend this class **FREE OF CHARGE** by marking their registration forms. The class will

be open to all others at a nominal cost of \$50; watch your email for full details!

The Florida Tree Climbing Committee officially invites all interested climbers to compete for the 2013 FC-TCC; the Master Challenge winner(s) (male and female) will represent our Chapter at the

International Tree Climbing Championship which is taking place in **Toronto, Ontario, Canada, August 3-4, 2013**. This is an excellent opportunity to learn modern climbing techniques and display your abilities.

Please submit your entry early to ensure a spot on this year's roster; **SPACE IS LIMITED TO 35 CLIMBERS**. There may be out-of-state competitors attending this year so do not delay!

FCTCC Chairman:

Adam Jackson, E-mail AJackson@valleycrest.com

FCTCC Setup Chair:

Danae Jackson, E-mail danaeljackson@gmail.com

FCTCC Organization Chair:

Kim Paulson, E-mail hortensia6@aol.com

Please contact the above listed Committee members or the Florida Chapter directly if you are planning on attending or would like to contribute to a great and exciting event. We all look forward to seeing Florida's best compete for the right to represent our Chapter in Toronto, Ontario, Canada, August 2013. ❖

<p>SITE: Lake Lily Park 701 Lake Lily Drive MAITLAND, FL</p> <p>PREP: Thursday, March 7, 2013 Contact Adam Jackson to volunteer AJackson@valleycrest.com</p> <p>1/2 DAY CLASS: Friday, March 8, 2013 Maitland Community Park 1400 Mayo Avenue, Maitland, FL 32751 <i>Climbers and Volunteers can attend FREE OF CHARGE (mark your registration forms)</i> All others can register to attend - \$50 class fee</p> <p>COMPETITION: Saturday, March 9, 2013</p> <p>COMPETITION FEE: \$75.00 ISA Member \$95.00 Non-Member</p> <p>FORMS: Click here to access the climber registration form Click here to access the climber waiver form</p>	<p>MAIL REGISTRATION FORM, WAIVER FORM & PAYMENT TO: Florida Chapter ISA 7853 S. Leewynn Court Sarasota, FL 34240 (make checks payable to Florida Chapter ISA)</p>
--	---

2013 ArborMaster Climbing Kit Prize Package

The Florida Chapter ISA is pleased to announce the

2013 ARBORMASTER CLIMBING KIT PRIZE

Package for the Tree Climbing Champion (TCC)

This climbing kit is being offered to each chapter champion (both man and woman, if applicable)!

The package is intended to help equip the chapter representative(s) for the International Tree Climbing Championship (ITCC) Competition.

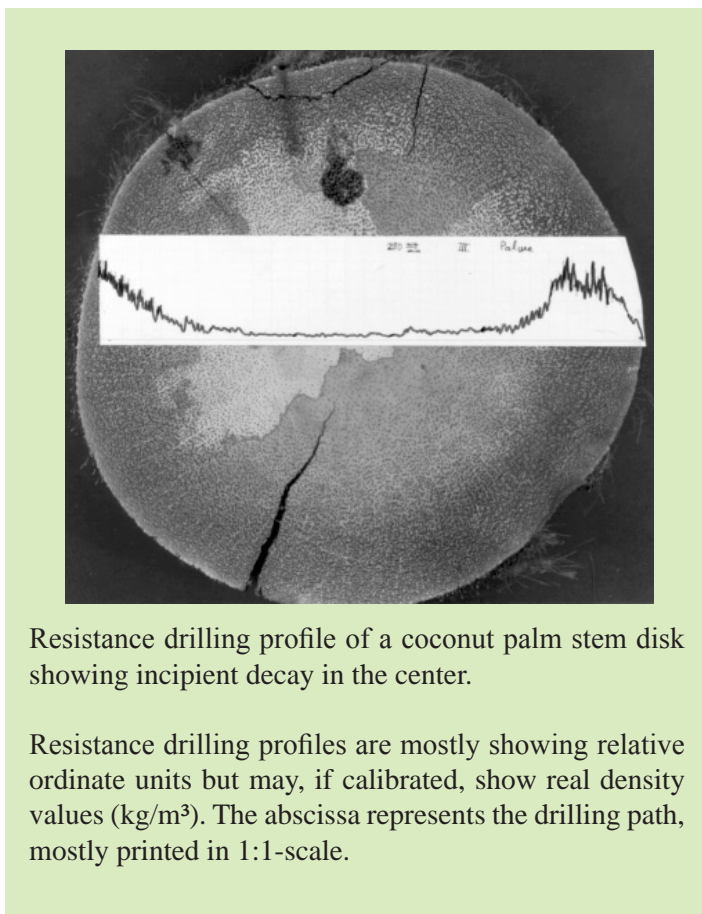
Each prize package includes:

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- ArborMaster® Rope Friction Saver by Buckingham
- 50% savings for an ArborMaster® 2-Day or 3-Day Hands-On Training Module



[Fungal Decay continued from page 10](#)

Fungal decay in palms often arises from the base, originally coming from roots. To detect such decay, drillings are usually carried out at stem base, mostly horizontally as shown here with a cordless resistance drill. The profile is printed simultaneously in 1:1-scale on a mobile printer, automatically connected to the machine via Bluetooth. Because of several reasons, it is very important to immediately interpret the profile on the spot and determine its meaning for the evaluation of the stability of the palm: later in the office, all the surrounding parameters that may influence the profile are not present. And: if the interpretation is not clear, an additional drilling may be required. All this can only be done efficiently on the spot.



Resistance drilling profile of a coconut palm stem disk showing incipient decay in the center.

Resistance drilling profiles are mostly showing relative ordinate units but may, if calibrated, show real density values (kg/m³). The abscissa represents the drilling path, mostly printed in 1:1-scale.

[Fungal Decay Graphs on page 17](#)



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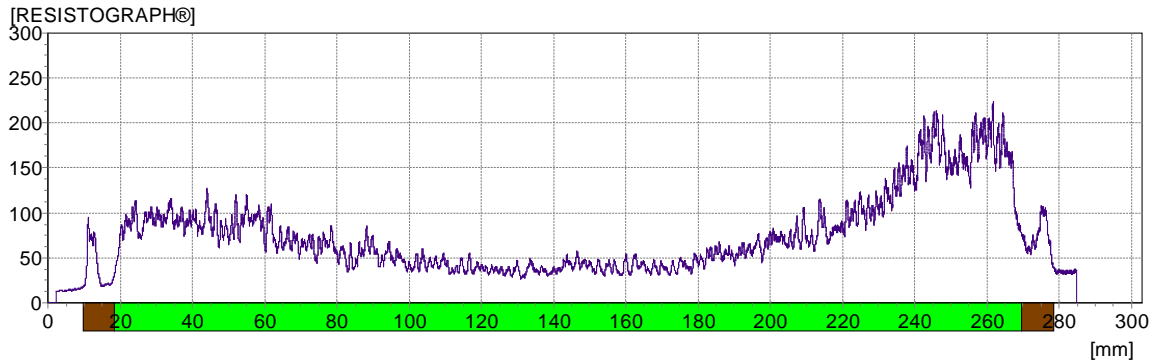
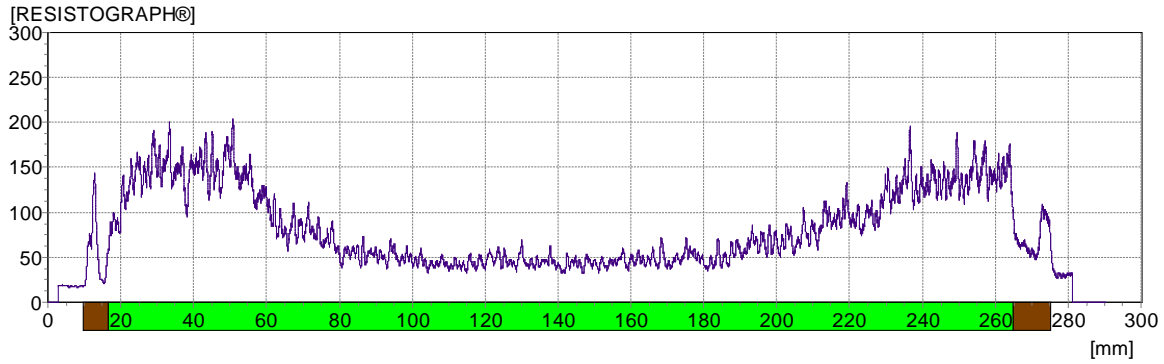
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To Subscribe to the RPG Times Newsletter or to request copies of the Tree Grading, Planting or Pruning Cue Cards contact an RPG member or visit www.rootsplusgrowers.org

[Fungal Decay continued from page 16](#)

Typical resistance drilling profile of an intact coconut palm (*Cocos nucifera*). Intact parts are marked green, the bark area is marked brown.



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Squirrel Population Boom has Scientists Considering Contraceptives in Seeds


 An explosion in the squirrel population last summer and fall has farmers, universities and residents crying out for a solution.

 Researchers at South Carolina's Clemson University have identified various methods of keeping the population in check and have narrowed population control down to supplying squirrels with contraception-laced seeds.

 Clemson University has a personal vendetta against the squirrels, which have been causing more than a million dollars in damage to campus trees for the past decade. Yearly, the squirrels' habit of stripping bark and killing branches has forced the university to plant new trees, care for them and remove any that have been chewed through by squirrels.

 Squirrels also devour farmers' crops, residents'

gardens and in some cases, chew through building wires. The over-populated squirrel problem is especially heavy on the East Coast, the Northeast and Midwest.

 Researchers captured squirrels to test when their hormone levels were at their peak and tested seeds coated with a cholesterol-lowering drug called DiazaCon on them. In 2012, the university began feeding gray squirrels the DiazaCon-laced black sunflower seeds from 16 feeders which only squirrels can access. The seeds also contain a non-toxic dye that stains the animals' bellies pink, making them easy to identify to researchers for future data collection. So far, Clemson University is the only place to use these pills, while scientists in other parts of the United States consider similar methods. SOURCE: Outdoor Hub ❖



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The following article is provided in English and Spanish

Environmental Justice Implications of Urban Tree Cover

Francisco Escobedo, School of Forest Resources and Conservation, University of Florida, Gainesville and Henry Mayer, Miami Dade IFAS Extension Agent.

Urban forests are influenced by human values, urban morphology and climate. Tree cover, an easily measured indicator of urban forest amount and diversity can vary according to land patterns, socioeconomic status, and land use. Tropical wind storms can also affect the structure and composition of coastal urban forests. The distribution in urban tree cover can, in turn, affect the amount and type of ecosystem services, which are the ecological functions of urban tree cover that are directly enjoyed, consumed, or used to produce specific measurable benefits. Thus, if the amount, type, condition, and distribution of urban forest vary across an urban landscape, so will ecological function and the subsequent provision of ecosystem services by urban trees.

The ecosystem service provided by urban tree cover can generally be classified as social, environmental, and economical.

Exposure to even a minimal amount of natural environment can produce a wide range of social and health benefits. For example, researchers have demonstrated the following specific outcomes when particular populations have access to natural elements: confined people such as inmates and hospital patients, experience better health outcomes, adults and children demonstrate better cognitive abilities, and public housing tenants report having more ability to manage with major life stressors such as poverty, the threat of violence, and raising children under impoverished conditions. Furthermore, analysis of crime records and aerial photos of vegetation cover show that property value is higher and crime rate is lower when the amount of vegetation is higher.

Several communities have quantified their urban tree cover and the ecosystem services that it provides. Urban forest can moderate temperature and microclimate, reduce storm water runoff, and minimize soil erosion. Economically, tree cover can reduce building energy

use and increase property values. Ecosystem services by definition are human-centered, so different perceptions and attitudes of humans determine the type and level of benefits they receive from tree canopy. Since urban areas have high densities of humans with different interest, cultures, and attitudes; measuring the social ecosystem service such as psychological and recreation benefits can be complex. Similarly, measuring economic and environmental function such as urban heat island (UHI) effect is complex because of regional-scale climate issues. Various elements of the urban building such as buildings, roadways, cars and other pollution, and decreased vegetation contribute to warmer temperatures in the urban environment.



A recent study found that carbon dioxide offset by urban forest in Miami-Dade is comparable to other carbon dioxide emission

reduction policies. Research also show that in some cities there is an unequal distribution of urban tree cover and this has been linked to structural characteristics of cities such as social class and home ownership.

In summary, housing ownership, low income, substandard housing, and higher levels of pollution are examples of inequities in the built environment that have been recognized by environmental justice activist and scholars as problematic for communities of low income. These inequities not only directly affect the abilities of these communities to improve their environment, but can also mediate the benefits that the communities receive from urban tree cover.

Based on the article: Environmental Justice Implications of Urban Tree Cover in Miami-Dade County, Florida. 2011. Environmental Justice. 4(2): 125-134. ❖

El siguiente artículo está escrito en Inglés y en Español.

Implicaciones de justicia ambiental relacionadas con la cobertura de los árboles

Francisco Escobedo, School of Forest Resources and Conservation, University of Florida, Gainesville and Henry Mayer, Miami Dade IFAS Extension Agent.

Los bosques urbanos son influenciados por los valores humanos, la morfología urbana y el clima. La cobertura vegetal es un indicador que se puede medir fácilmente y cambia según patrones territoriales, el estado socio-económico y el uso de la tierra. Las tormentas tropicales también afectan la estructura y la composición de los bosques urbanos ubicados en zonas costeras. La distribución de la cobertura vegetal puede a su vez afectar la cantidad y el tipo de servicios ambientales que prestan. Estos pueden ser disfrutados, consumidos o utilizados para producir beneficios cuantificables. Por lo tanto, si la cantidad, tipo, condición, y la distribución de un bosque urbano varía de un paisaje urbano a otro, así va variar la función ecológica y la provisión de los servicios que prestan los bosques.

El servicio de los ecosistemas producidos por la cubierta de árboles en zonas urbanas generalmente se pueden clasificar como social, ambiental y económico. La exposición a una cantidad mínima a un bosque puede producir una gran cantidad de beneficios sociales y de salud. Por ejemplo, investigadores han demostrado los siguientes resultados concretos cuando determinados grupos de población tiene acceso a la cobertura vegetal: en el caso de reclusos y de pacientes en hospitales experimentan mejoras más rápidas en la salud, los adultos y los niños demuestran mejoras en sus capacidades cognitivas, y los arrendatarios de viviendas públicas tienen más capacidad para manejar el estrés de la vida diaria, estreses como pobreza, la violencia, y la crianza de los hijos en condiciones de pobreza. Interesantemente, análisis de números de delitos y las fotos aéreas de cubierta vegetal muestran que el valor de la propiedad aumenta y la tasa de criminalidad disminuye cuando la cantidad de vegetación aumenta.

Algunas comunidades han cuantificado la cobertura vegetal urbana y los servicios de ecosistema que proveen. El bosque urbano puede moderar la temperatura y el microclima, reducir el agua de escorrentía, y minimizar la erosión del suelo. Económicamente, la cobertura del árbol

puede reducir el uso de energía e incrementar los valores inmobiliarios. Los servicios del ecosistema son por definición centrados en el ser humano, por lo tanto diferentes percepciones y actitudes determinan el tipo y nivel de beneficios que pueden recibir. Debido a que las áreas urbanas tienen altas densidad de personas con diferentes intereses, culturas, y actitudes; resulta complicado medir el servicio del ecosistema. De forma semejante, medir la función económica y ambiental como el efecto de isla (UHI) de calor urbano es complicado. Elementos urbano como edificios, calzadas, automóviles, contaminación, y disminución de áreas verdes contribuyen al incremento de temperaturas en el ambiente urbano.



Un estudio reciente descubrió que el dióxido de carbono compensado por el bosque urbano en Miami-Dade era comparable a otras políticas de reducción de emisión de gas de dióxido de carbono. Investigaciones también

demuestra que en algunas ciudades hay disparidades en la distribución de la cobertura vegetal. Esto ha sido vinculado con las características de las ciudades como la división de clases sociales y si gente es propietaria o arrienda su propiedad y vivienda.

En resumen, la propiedad de la casa, el bajo nivel de ingresos, la baja calidad de las viviendas, y los altos niveles de contaminación son ejemplos de injusticias con el ambiente y han sido reconocidos por ecologistas y eruditos como problemas para las comunidades de bajos recursos. Estas injusticias no solamente afectan las habilidades de estas comunidades para mejorar su ambiente, pero también minimiza los beneficios que la cobertura vegetal proporciona.

Basado en el documento: Environmental Justice Implications of Urban Tree Cover in Miami-Dade County, Florida. 2011. Environmental Justice. 4(2): 125-134. ❖

[E15 continued from page 9](#)



fuel above that may damage your equipment and void your warranty.” That manual is crucial in preventing some unfortunate product testing. “What they need to know is what products can be used with that piece of equipment, and that information is going to come from the manufacturer,” he says. “Right now, EPA has not said it’s appropriate for those. But we don’t want people to test it on their own. We want to test it in a lab and make sure there’s not an issue.”

2. **Don’t put any fuel containing more than 10 percent ethanol (E10) in small engine products, unless the machine is built to handle it.** Don’t assume that the fuel used for a vehicle is the same as the fuel used in a gasoline can. “The engines are very susceptible to ethanol,” says Kiser. “It phase separates faster, it absorbs water and it stales twice as fast. This is not something you can leave in your machine or even in your gas cans.”
3. **Check the gas pump to be sure that it is dispensing E10. Some gas pumps may offer both E10 and E15, or have blender pumps that dispense mid-level ethanol fuels for flex-fuel automobiles.** “You potentially have somebody coming up with their car and what they’ve got on the trailer, and generally, people like to just slip their card once,” says Kelly.

Kyle Brown is editor of Green Industry Supply Chain Management, a GIE Media publication. ❖

Following the fuel

E15 may seem to have burst onto the scene, but it’s really been a few years in its arrival. When explaining it to customers and clients, it pays to know where it comes from. **Here’s a quick timeline** of how E15 made it from the field to the pump.

1970

The Clean Air Act is signed, creating standards and goals in improving air quality. The act sees several amendments, including a series in 1977 and 1990.

2005

The Renewable Fuel Standard (RFS) is created under the Energy Policy Act, which focuses on energy production, requiring 7.5 billion gallons of renewable fuel to be blended into gasoline by 2012.

2007

RFS increases the volume of renewable fuel to be blended from 9 billion gallons in 2008 to 36 billion by 2022.

2009

Growth Energy, a representative of ethanol producers, applied for its Green Jobs Waiver to approve gasoline/ethanol blends up to E15 for commercial sale, raising the current cap of E10.

2010

EPA granted the first partial waiver for E15 use in 2007 and newer light-duty motor vehicles.

2011

EPA granted the second partial waiver for E15 use, expanding use to 2001 and newer light-duty motor vehicles. OPEI, along with the American Petroleum Institute and other industries, petitioned the U.S. Court of Appeals for a review of the waivers.

2012

The U.S. Court of Appeals sided with EPA and Growth Energy, citing a lack of standing for OPEI and others to make the petition. The first stations with commercially available E15 opened in Lawrence, Kan. ❖



The 2013 STIHL Tour des Trees promises an international adventure for cyclists. Tracing a 585-mile route around Lake Ontario, the 2013 Tour will showcase upstate New York and Ontario’s beautiful scenery, historic trees, urban centers and favorite destinations.

Tree plantings and community outreach are hallmarks of every Tour, and Professor Elwood Pricklethorn (aka Toronto arborist and veteran Tour cyclist Warren Hoselton) provides educational programs for young audiences along the way. The TREE Fund expects to add at least a dozen new entries to the growing urban forest planted by Tour riders over the years.

The Tour concludes August 3 at Ontario’s Toronto Island, site of ISA’s International Tree Climbing Competition and Arbor Fair.

Since 1992, the Tour des Trees has generated more than \$5.6 million and has funded a variety of research projects and educational programs for budding tree care professionals. To learn more, visit the grant and scholarship archive pages at www.treefund.org.

Thank you to all of our 2012 STIHL Tour des Trees supporters. 2012 was a phenomenal year, with the Tour raising a record-breaking \$649,957! The continued success of the Tour des Trees is directly attributable to the support of its Sponsors. Corporate sponsorships ensure that the money raised by Tour riders is applied to research and education programs, not event costs. The TREE Fund gratefully acknowledges the support of our Partners and Sponsors, without whom this event would not be possible.

We look forward to a great Tour in 2013!

Help Team Florida ride to Canada!

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- AWARD FOR EXCELLENCE IN EDUCATION**
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Contact Information

Name of Applicant	
Street Address	
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E-Mail Address	
Submitted By (name & email)	
Date submitted	

Qualifications

Summarize applicant's qualifications for award category. Attach additional pages if needed. Limit 10.

Send to: Florida Chapter ISA 7853 S. Leewynn Ct., Sarasota, FL 34240 or fax to: 941-342-0463

ISA Tree Risk Assessment Qualification

(TRAQ) Coming Soon

Norm Easey



ISA's first qualification, Tree Risk Assessment, is well underway and in its final stages of development. The TRAQ development team is busy training future trainers. Look for a Florida class to be

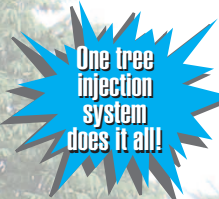
scheduled this summer. In order to obtain this qualification, you will need to apply when course dates are announced, attend the instructional course, and complete the assessment directly following. The assessment will consist of a written and field component. You must pass both portions of the assessment to receive the qualification. The qualification is valid for five years and

does not require Continuing Education Units (CEUs) to maintain the qualification. However, you can earn CEUs toward your certification credential for taking the qualification course since this is an educational event. After five years of holding the qualification, you will be required to retake the course and successfully pass the assessment again to maintain the qualification.

The Tree Risk Assessment Qualification will consist of the following nine instructional modules:

- Introduction to Tree Risk Assessment
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Membership Corner

Celeste White, Vice President Florida Chapter

Why do members join the Florida Chapter of the ISA? There are probably a lot of reasons but usually it is because they get something out of it. Our organization, like all others, is always trying to get new members and keep the ones that we have. As current members, we know why we belong to the Florida Chapter. Most of us have many interests but have to pick and choose which associations are worth the time and effort needed.

What can we do to lure new members to join? Almost always, the talk is about the benefits of membership, networking with other professionals, discounts on class registration fees and subscriptions to newsletters. And what are the reasons that someone doesn't renew their membership? It could be economic (especially during the last few years) or maybe they don't feel like they are still getting something out being a member.

I think that the Florida Chapter provides a good value to its members. But it is a competitive world and perhaps we can do better. As 2013 membership chair, I would like to have some help deciding where to focus our membership efforts. Maybe you have a fresh idea or prospective to make the Florida Chapter attractive to both new and existing members. Would you like to help? Send me an email at ctwhite@ufl.edu and we can talk about it. ❖

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What Kills Tree Care DIY-ers?

The Tree Care Industry Association (TCIA) reviewed 47 civilian tree care accidents reported by the media in 2012. Twenty-five of these accidents were fatal. The average age of the victims was only 61.

These sobering statistics are a stark reminder of the inherent dangers for one attempting tree care or tree removal and highlights the need for tree owners to seek out tree care companies with the proper qualifications and equipment to handle the work safely.

Tree care is undoubtedly one of the most dangerous jobs in the U.S. Pruning large limbs, felling trees and especially climbing into trees are hazardous activities even for trained professionals. Untrained consumers should think twice before trying to duplicate the work of professionals, as evidenced by the graphic below:

Investigating the major causes of accidents in the above graphic:

- Felling trees with a chainsaw may look easy on reality TV, but it's very easy to get it wrong. Two-thirds of the time, the victim was struck by the tree when it fell in an unexpected direction. Directional tree felling with a chain saw requires a high level of competency and plenty of experience.
- Three homeowners were killed due to a phenomenon known as "barber chair" - when

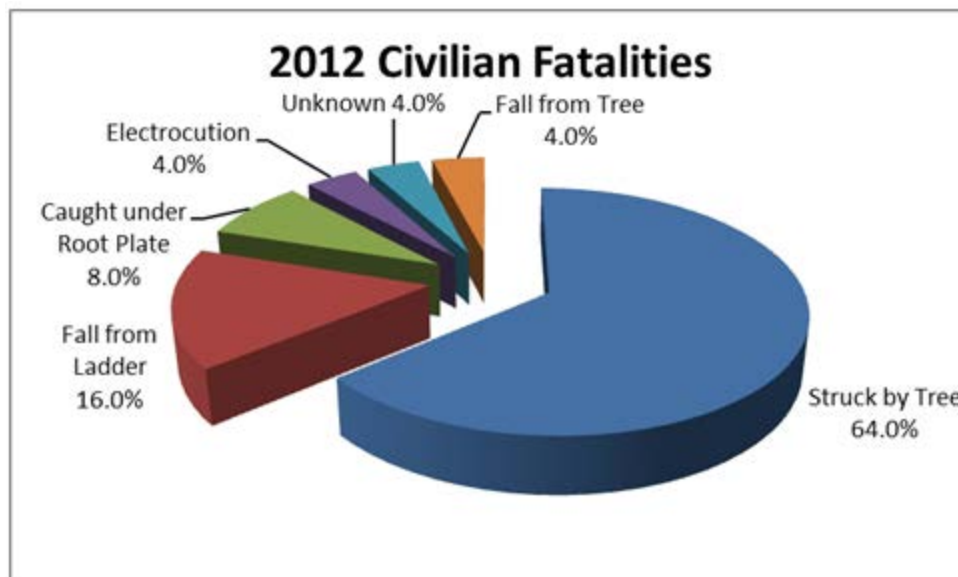
forces acting on the tree cause it to split and kick back violently before it can be completely cut.

- Three DIY-ers were killed when trees near the one they were cutting fell on them, likely due to the movement of the tree being cut.
- The thought of cutting with a chain saw from a ladder makes even a professional cringe. It's easy to lose one's balance, and the cut branch typically falls straight down, hitting the ladder with great force.

Tree care without proper training or equipment is asking for trouble. Consumers contemplating tree work should assess the risk for attempting the work. Indicators of high risk include:

- using a chain saw
- working off the ground
- cutting off heavy branches
- felling any tree
- using unfamiliar machinery such as platforms lifts and brush chippers

If you are at all uncertain about what could happen by attempting your own tree work, contact a qualified tree care professional for help. ❖



Different dialects affect plant growth

A British nursery owner researched how plants respond to different accents.

ESSEX, U.K. -- If you want your plants to thrive, talk to them in a Geordie accent – a nursery owner has claimed. Chris Bonnett, who has a four acre nursery in Essex and his own online garden center spent the summer researching which accents plants respond best to. Bonnett isolated groups of plants and let them listen to regional accents, including American, Australian, Scottish, Welsh and several British regional dialects, like Geordie, used

by residents of the Tyneside area of Northeast England. The plants were played DVDs and CDs of regional soaps and pop stars to help reinforce the different dialects. Each group was placed in a different area of the nursery near Colchester and staff took great pains to ensure the accents were never mixed up. The Geordie plants growing almost 10 percent more than those in some other groups. Bonnett said: “It’s long been thought that plants thrive

if you talk to them so we decided to find out once and for all which dialects they respond to best.” There were ten separate test groups, each consisting of a mix of around 100 different bedding plants. Click here for the rest of the article, including the results.

Source: Green House Management. ❖



2013 COAST SERIES SEMINARS



CULTURE COAST

SARASOTA

Tuesday March 5, 2013

GOLD COAST

FT. LAUDERDALE (POMPANO BEACH)

Thursday March 7, 2013



CEUs: ISA - 6.25 BCMA Sci - 3.5, Prac - 1, Mgmt - 1.75
 FNGLA - 4 LIAF - 4 DACS - applied for



[Sarasota Registration](#)

[Ft. Lauderdale Registration](#)

Now offering:

Trunk Injection Products for

Spiraling Whitefly Control

Lowest Cost Trunk Injectable Imidacloprid
Highest Active Ingredient (10%)
Lowest Cost Equipment

Easy
Quick
Effective

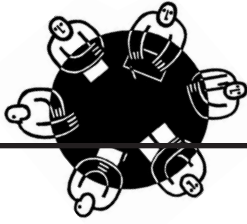
- Approximately one minute application time in palms.
- Starts killing Whitefly in less than 24 hours.
- Simple, proven and low cost application equipment.
- Completely closed system-never touch the insecticide.
- Doesn't kill beneficial insects, only kills insects feeding on the tree.

Texas Phoenix Palm Decline and Lethal Yellowing Control Products Available Too



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palmtreesaver.com
store.palmtreesaver.com
info@palmtreesaver.com

Distributors for:  Mauget



Florida Chapter Board Updates

BOARD SHORTS:

2013 Florida ISA Board in Full Swing

The Florida ISA board welcomed newly elected and appointed members at the first board meeting on February 15. Thanks to everyone for serving the Florida Chapter membership in these various roles!

Newly elected members from the recent election are:

- Vice President (will become President in 2015) - Celeste White
- Secretary - Adam Jackson
- Consulting Arborist Rep - Richard Cervi
- Education Rep - Dr. Ed Gilman

The board also approved the at-large appointments recommended by President Patrick Miller for 2013:

- Lori Ballard
- Mike McCoy
- Don Winsett

2014 Trees Florida Conference Site Approved

The Florida ISA board has approved the location of the Trees Florida 2014 conference site as Innisbrook Resort in Palm Harbor. Trees Florida is no stranger to Innisbrook, having had several conferences there in the past. The resort has been newly renovated and continues to offer many familiar and new amenities: golf courses, spa, various swimming pools including Loch Ness Pool, on-site transportation and food choices and of course great meeting and lodging accommodations.

Certification Report

The unveiling of the newly created Tree Risk Credential program is right around the corner. Watch for news this summer. ❖

BOARD MEETING SCHEDULE for 2013:

- April 12, 2013 - Orlando
- June 8, 2013 - Ft. Lauderdale (Trees Florida 2013)
- September 13, 2013 - Orlando
- November 22, 2013 - Orlando

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.

Name: _____
 Address: _____
 City: _____ Zip Code: _____

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

2013 Certification Exam Schedule

The FLORIDA CHAPTER of ISA is pleased to announce our 2013 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
April 6, 2013	Certified Arborist Exam	Broward Co IFAS 3245 College Ave Davie, FL, 33314	8:30 AM to 12:30 PM	Mike Orfanedes George Fitzpatrick	Minimum 12 business days prior	\$150/ \$250
June 9, 2013	Certified Arborist Exam	Westin Beach Rst. 321 N Ft. Lauderdale Beach Blvd. Ft. Lauderdale, FL	8:30 AM to 12:30 PM	Norm Easey	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 - 2013 Education Schedule

*The schedule below is tentative and subject to changes.

Date	Seminar/Class	Location (s)	Open for Registration
March 5, 2013	2013 Coast Series Seminar	Sarasota	Click here to Register
March 7, 2013	2013 Coast Series Seminar	Ft. Lauderdale	Click here to Register
March 8, 2013	Outdoor Tree School	Orlando	Click here to Register
May, 2013	Roots Plus Growers Workshop	Marshall Tree Farm, Morriston, FL	
May, 2013	Arborist Safety	Jacksonville, Tallahassee	
June 9,10,11, 2013	Trees Florida 2013 - "Where the Trees Meet the Seas"	Ft. Lauderdale	

Welcome!

New Florida Chapter Members

Here are the individuals that joined the Florida Chapter during the fourth quarter of 2012. 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.

First Name	Last Name	City	State	First Name	Last Name	City	State
Brian	Alford	SARASOTA	FL	Travis	Newell	SARASOTA	FL
Chris	Denson	ROYAL PALM BEACH	FL	Alfredo	Quintero, Jr.	MIAMI	FL
Ryan	Vogel	MIAMI	FL	R Drew	Swafford	PINELLAS PARK	FL
Jessica	Glenn	LAKE WORTH	FL	Leah	Scott-Davis	MIRAMAR	FL
Jamielyn	Daugherty	WINTER HAVEN	FL	Ben	Bolusky	ORLANDO	FL
Dylan	Layfield	TALLAHASSEE	FL	Matthew	Munilla	MIAMI	FL
Jason	Toedter	OVIEDO	FL	Philip	Johnson	LAKE BUENA VISTA	FL
James	Fogle, Jr.	CAPE CORAL	FL	Troy	Townsend	PALM COAST	FL
Charlie	Hemelgarn	NAPLES	FL	William	Saines	LAKE BUENA VISTA	FL
Jeffrey	Higgins	DELRAY BEACH	FL	Robert	Douglas	ORLANDO	FL
Ronald	Kman	FORT MYERS	FL	Rafael	Jimenez	NAPLES	FL
William	Bobb	CHAMPIONS GATE	FL	Dennis	Carnahan	KISSIMMEE	FL
Mark	Johonnett	N FORT MYERS	FL	Bruce	Shafter	COCOA	FL
Vito	Naso	HOMESTEAD	FL	Jennifer	Brown	STUART	FL
Joel	Atkinson	ST PETERSBURG	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 2013 Board Meeting - Dates & Locations
February 15, 2013 - Orlando
April 12, 2013 - Orlando

Arborist Certification Committee Report

By Norm Easey, Florida Certification Liaison

There are ISA exams scheduled at various locations in Florida. [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.

Arborist Certification is still moving ahead worldwide; there are now 27,080 ISA Certified Arborists, 1029 ISA Certified Tree Workers, 1703 Utility Specialists, 517 Municipal Specialists and 319 Board Certified Master Arborists. The Florida Chapter currently has 1783 Certified Arborists.

The Florida Chapter would like to congratulate the following 61 Florida individuals for earning their Arborist Certification Municipal Arborist Certification or Tree Care Worker Certification during the fourth quarter of 2012:

Certified Arborist

Kathleen Allen, Lehigh Acres, FL
 Joel Atkinson, St. Petersburg, FL
 Richard Bamlet, Vero Beach, FL
 Gregory Barton, Ocala, FL
 Jeffery Bowen, Stuart, FL
 Steven Burnside, Ormond Beach, FL
 John Cannon, Port Charlotte, FL
 Gerard Cicoria, St. James City, FL
 Arthur Clothier Jr., Bushnell, FL
 David Conser, Gainesville, FL
 Kristi Dean, Cape Coral, FL
 Justin Draft, Brooksville, FL
 Clifford Englert, Seminole, FL
 Heather Ferrand, Ft. Myers, FL
 James Fogle Jr., Cape Coral, FL
 Elizabeth Foster, Port. St. Lucie, FL
 Rick Giordano, Lake Park, FL
 Dennis Grim, Port St. Lucie, FL
 Larry Hall, N Fort Myers, FL
 Cathy Hardin, Quincy, FL
 Charlie Hemelgarn, Naples, FL
 Roger Holbrook Jr., Umatilla, FL
 David Holley, Hilliard, FL
 Gregory Ihle, Naples, FL
 Adam Jackson, Orlando, FL
 William Jaskela, Palm City, FL
 Randall Jones, Deland, FL
 Derrick Kahl, Fort Myers, FL
 Gavin Lapper, Tampa, FL
 Dylan Layfield, Tallahassee, FL
 Sydney Lemieux, St. Petersburg, FL

John Linton, St. Petersburg, FL
 Stephen Lloyd, Daytona Beach, FL
 Thomas Loboda, North Port, FL
 Charles Madden III, New Pt. Richey, FL
 Keith Miller, North Miami, FL
 Guy Murtonen, St. Cloud, FL
 Travis Newell, Sarasota, FL
 Christopher Otremba, Leesburg, FL
 Matthew Pilson, Palm Harbor, FL
 Alfredo Quintero Jr., Miami, FL
 Clark Ryals, Fort Myers, FL



Mark Salemi, Miami, FL
 Adam Shaw, Jacksonville, FL
 Eric Stevens, Port Richey, FL
 Kurt Stoughton, East Palatka, FL
 Michael Suarez, Hollywood, FL
 R Drew Swafford, Pinellas Park, FL
 Robert Taggart, Fort Myers, FL
 James Thompson III, Cantonment, FL
 Jason Toedter, Oviedo, FL
 Barry Tye, Starke, FL

Jason Vickers, New Port Richey, FL
 Paul Viste, Hilton Head, SC
 Bruce Weitzner, Boca Raton, FL
 Troy White, Naples, FL
 Kevin Wyko, Tampa, FL
 Elvis Zelaya, Lakeland, FL

Municipal Specialist

Mark Williams, Miami Beach, FL

Utility Arborist

Joseph Guerrero, Webster, FL

Board Certified Master Arborist

Scott Schultz, Lake Buena Vista, FL

Are you thinking about becoming certified?

[Visit the International ISA website](#)

to access the certification application handbook with further information.

2013 Florida Chapter Tree Climbing Championship

Saturday March 9, 2013
Mandatory gear check will be required - details to be announced

Lake Lily Park
701 Lake Lily Drive - MAITLAND, FL

COMPETITION ENTRY FORM



Register early to reserve your spot! **SPACE IS LIMITED TO 35 CLIMBERS!** Please PRINT or TYPE:

Name _____
Company _____
Address _____
City _____ State _____ Zip _____
Phone # (_____) _____ T-Shirt size (register early so we can provide your requested size) _____
EMail Address (for contacting and to send a receipt) _____

OPTIONAL EDUCATIONAL EVENT

The half-day 2013 Outdoor Tree School will be offered FREE OF CHARGE to all registered competitors and volunteers on Friday morning, March 8, 2013. **NOTE DIFFERENT LOCATION THAN CLIMBING LOCATION:** Maitland Community Park 1400 Mayo Avenue, Maitland, FL. Space may be limited. Fee for non-competitors or non-volunteers to attend is \$50 (link at www.floridaisa.org).

I am registering for the 2013 FC-TCC event (above) and will also attend the half-day class. I understand that space is limited, and submitting my request does not guarantee a spot if the class has already been filled.

REGISTRATION: \$75 - ISA MEMBER OR \$95 - NONMEMBER

Amount: \$75 - ISA Member (Must provide ISA member #: _____)
 \$95 - NonMember

- Check enclosed (Make out to Florida Chapter ISA)
 Cash Enclosed
 Credit Card VISA MasterCard Discover

**If you are not comfortable emailing your credit card information as an attachment, please fax, mail or phone it in or online (link at www.floridaisa.org).

Card Number _____
Exp. Date _____ 3 digit Card Code _____
Exact name on card _____
Card billing address _____
Card billing City/State/Zip _____

Submit this entry form, the Competition waiver form and payment of \$75 or \$95 to:

MAIL: Florida Chapter ISA w 7853 S Leewynn Court w Sarasota, FL 34240
PHONE: 941-342-0153
FAX: 941-342-0463
EMAIL: floridaisa@comcast.net (you may submit this form as an email attachment)



**FFC-TCC Tree Climbing Championship
Competition Waiver Form**



Please PRINT Clearly

Contestant's Name: _____ Age: _____

Address: _____ Zip: _____

Employed by: _____

Phone: () _____ Email: _____

Number of years you have climbed: _____

Waiver and Hold-Harmless by Contestant

In consideration of acceptance of my application for entry as a contestant in the Climbing Championship, I hereby waive any and all claims I may have at anytime, and any and all claims which might otherwise be made by, or on behalf of, or on account of me, or by me, or by any person or entity in any way as my subrogee against the property owner and the International Society of Arboriculture, its officers, directors, employees, agents, members, guests, invitees, and any person who would be lawfully entitled to indemnification from them for any liability to, or on behalf of, or on account of me, for any injuries or damages of any kind whatsoever arising on account of or in consequence of my activities or participation in the Climbing Championship, or in any other way related to the Climbing Championship. I further agree to hold the property owner and the International Society of Arboriculture, its officers, directors, employees, agents, members, guests and invitees, safe and harmless from any expense for defense, settlement, payment of damages, or other expenses related in any way to injuries sustained by me in any way related to the Climbing Championship. I recognize and assume all risks and danger involved in my participation, and will not under any circumstances rely upon the care, attention or assurance of anyone other than myself for matters relating to my safety.

Dated _____ Signature of Contestant _____

Certification and Waiver by Employer of Contestant

I hereby certify that I am the employer or a duly authorized representative of the employer of the above-named individual planning to participate in the Climbing Championship, and that the employer has encouraged this participation. I further certify that I have satisfactorily confirmed that the employee will be covered by statutory protection levels of Workers Compensation Insurance or the equivalent, for any injuries sustained in the course of participation. The employer hereby waives any and all subrogation claims it may have against the property owner and the International Society of Arboriculture, its officers, directors, employees, agents, members, guests, or invitees, as a result of any compensation or their benefits or expenses incurred or paid by it, its insurance carrier, or otherwise on its behalf, in the event any claim or injury results from this participation, and will hold the property owner and the International Society of Arboriculture, its officers, directors, employees, agents, members, guests, and invitees safe and harmless from any expense for defense, settlement, payment of damages and other expenses relating in any way by this employee. I further certify that I am duly authorized to execute this Certification and Waiver on behalf of the employer and that any and all necessary resolutions have been duly passed and adopted by the employer.

The exact name and address of the employer, and state of incorporation (if applicable):

Dated _____

Signature of Employer or Authorized Representative _____

**Mail, fax or email (you may submit as an email attachment) this completed competition waiver form
along with the competition registration form and payment to:
Florida Chapter ISA ♦ 7853 S Leewynn Court ♦ Sarasota, FL 34240**

2013 Florida Chapter Tree Climbing Championship

Saturday March 9, 2013

Mandatory gear check will be required - details to be announced

Lake Lily Park
701 Lake Lily Drive - MAITLAND, FL

JUDGE & VOLUNTEER FORM



Please PRINT or TYPE:

Name _____
Company _____
Address _____
City _____ State _____ Zip _____
Phone # (_____) _____ T-Shirt size (volunteer early so we can provide your requested size) _____
EMail Address (for contacting) _____

OPTIONAL EDUCATIONAL EVENT

The half-day 2013 Outdoor Tree School will be offered FREE OF CHARGE to all registered competitors and volunteers on Friday morning, March 8, 2013. **NOTE DIFFERENT LOCATION THAN CLIMBING LOCATION:** Maitland Community Park 1400 Mayo Avenue, Maitland, FL. Space may be limited. Fee for non-competitors or non-volunteers to attend is \$50 (link at www.floridaisa.org).

- I am volunteering for the 2013 FC-TCC event (above) and will also attend the half-day class. I understand that space is limited, and submitting my request does not guarantee a spot if the class has already been filled.

THANK YOU FOR YOUR OFFER TO VOLUNTEER!

I am able to help:

- as a judge
 with site pre-pruning
 with site preparation the week prior to competition
 with registration
 with timing and record keeping
 with awards
 at the FC-TCC dinner on day of the competition
 other _____

Submit this Volunteer form and the Volunteer Waiver form to:

MAIL: Florida Chapter ISA - 7853 S Leewynn Court - Sarasota, FL 34240
PHONE: 941-342-0153
FAX: 941-342-0463
EMAIL: floridaisa@comcast.net (you may submit this form as an email attachment)



**FC-TCC TREE CLIMBING CHAMPIONSHIP
VOLUNTEER WAIVER FORM**



Please PRINT Clearly

Volunteer's Name: _____

Address: _____ Zip: _____

Employed by: _____

Phone: (____) _____ Email: _____

Waiver and Hold-Harmless by Volunteer

In consideration of acceptance of my offer to be a volunteer for the Climbing Championship, I hereby waive any and all claims I may have at anytime, and any and all claims which might otherwise be made by, or on behalf of, or on account of me, or by me, or by any person or entity in any way as my subrogee against the property owner and the International Society of Arboriculture, its officers, directors, employees, agents, members, guests, invitees, and any person who would be lawfully entitled to indemnification from them for any liability to, or on behalf of, or on account of me, for any injuries or damages of any kind whatsoever arising on account of or in consequence of my activities or participation in the Climbing Championship, or in any other way related to the Climbing Championship. I further agree to hold the property owner and the International Society of Arboriculture, its officers, directors, employees, agents, members, guests and invitees, safe and harmless from any expense for defense, settlement, payment of damages, or other expenses related in any way to injuries sustained by me in any way related to the Climbing Championship. I recognize and assume all risks and danger involved in my participation, and will not under any circumstances rely upon the care, attention or assurance of anyone other than myself for matters relating to my safety.

Dated _____ Signature of Volunteer _____

Certification and Waiver by Employer of Volunteer

I hereby certify that I am the employer or a duly authorized representative of the employer of the above-named individual planning to volunteer at the Climbing Championship, and that the employer has encouraged this participation. I further certify that I have satisfactorily confirmed that the employee will be covered by statutory protection levels of Workers Compensation Insurance or the equivalent, for any injuries sustained in the course of participation. The employer hereby waives any and all subrogation claims it may have against the property owner and the International Society of Arboriculture, its officers, directors, employees, agents, members, guests, or invitees, as a result of any compensation or their benefits or expenses incurred or paid by it, its insurance carrier, or otherwise on its behalf, in the event any claim or injury results from this participation, and will hold the property owner and the International Society of Arboriculture, its officers, directors, employees, agents, members, guests, and invitees safe and harmless from any expense for defense, settlement, payment of damages and other expenses relating in any way by this employee. I further certify that I am duly authorized to execute this Certification and Waiver on behalf of the employer and that any and all necessary resolutions have been duly passed and adopted by the employer.

The exact name and address of the employer, and state of incorporation (if applicable):

Dated _____

Signature of Employer or Authorized Representative _____

**Mail, fax or email (you may submit as an email attachment) this completed competition waiver form
along with the competition registration form and payment to:
Florida Chapter ISA ♦ 7853 S Leewynn Court ♦ Sarasota, FL 34240**

2013 Florida Chapter Tree Climbing Championship

Saturday March 9, 2013
Mandatory gear check will be required - details to be announced

Lake Lily Park
701 Lake Lily Drive - MAITLAND, FL

SPONSOR FORM



Please PRINT or TYPE:

Name _____

Company _____

Address _____

City _____ State _____ Zip _____

Phone # (_____) _____

E-Mail Address (for contacting and to send a receipt) _____

MONETARY DONATION

Amount \$ _____

- Check enclosed (Make out to Florida Chapter ISA)
- Cash Enclosed
- Credit Card VISA MasterCard Discover

**If you are not comfortable emailing your credit card information as an attachment, please fax, mail or phone it in.

Card Number _____

Exp. Date _____ 3 or 4 digit Card Code _____

Exact name on card _____

Card billing address _____

Card billing City/State/Zip _____

Your receipt will be emailed to you (please provide an email address above).

PLEASE SEND THIS DONATION FORM WITH YOUR MONETARY DONATION TO:

MAIL: Florida Chapter ISA - 7853 S Leewynn Court - Sarasota, FL 34240
 PHONE: 941-342-0153
 FAX: 941-342-0463
 EMAIL: floridaisa@comcast.net (you may submit this form as an email attachment)

DONATION OF EQUIPMENT, GEAR OR PRIZES

Please describe your donation below. Include a monetary value if you would like a receipt to be emailed to you (please provide an email address above).



PLEASE SEND THIS DONATION FORM WITH YOUR DONATED ITEM(S) TO:

BY MAIL, FED EX or UPS: Adam Jackson - 424 E Sandpiper Street - Apopka, FL 32712

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